San Diego County Regional Airport Authority

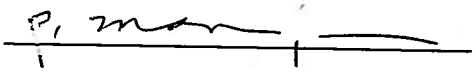
Fiscal-Year 2011-2012 Annual Illicit Discharge Detection and Ellimination Report

December 2012

Statement of Certification for the Fiscal Year 2011-2012 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: December 6, 2012

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

Municipal Stormwater Permit

Fiscal Year 2011-2012 Annual IDDE Report

Table of Contents

Appendices

1 INTRODUCTION

The San Diego County Regional Airport Authority (Authority) submits this Fiscal Year 2011-2012 Annual Report for the Illicit Discharge Detection and Elimination Component of the Airport Authority Storm Water Management Program (FY11-12 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 Authority during the dry weather season of 2012 (May 1 through September 30) and the wet weather monitoring conducted during the period of July 1, 2011 to June 30, 2012 (fiscal year 2011-2012). 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 or SAN). 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 that 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.

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.

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 FY11-12 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 Aviation & Commercial Business Department. These departments are responsible for the implementation of the SWMP for SDIA. Staff from these departments is 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. Along with the Environmental Affairs Department's stormwater inspection program, 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 (http://www.san.org/sdcraa/airport_initiatives/environmental/protection/stormwater.aspx) ; the Project Clean Water regional hotline (888-846-0800) and webpage (http://www.projectcleanwater.org/html/wurmp_san_diego_bay.html) operated by the County of San Diego; and the THINKBLUE Hotline (888-844-6525) and webpage (http:// www.sandiego.gov/thinkblue/) 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 FY11-12, there were a total of 155 IDDE events identified as a part of the stormwater inspection program, or reported to the Authority using either the telephone numbers or the web pages noted above. These 155 IDDE events are discussed further in Section 3.1 below and listed in Appendix A.

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. The information in Table 1 highlights the regular inspection activities conducted by the Environmental Affairs Department during the reporting period.

Taken as a whole, these surveillance and inspection activities, as well as “ad hoc” or as needed inspections, represent the site-wide and MS4-specific inspection elements of the IDDE program at SDIA.

Table 1 - IDDE MS4 Inspection and Monitoring Conducted During FY11-12

Date	Inspection Element
9/21/11	Quarterly Authorized/Unauthorized Non-Stormwater Discharge Monitoring
10/5/11	Monthly Wet Weather Visual Observations – samples collected
11/4/11	Monthly Wet Weather Visual Observations – samples collected
12/8-9/11	Quarterly Authorized/Unauthorized Non-Stormwater Discharge Monitoring
12/12/11	Monthly Wet Weather Visual Observations – samples collected
1/21/12	Monthly Wet Weather Visual Observations
2/7/12	Monthly Wet Weather Visual Observations
3/1-27/12	Quarterly Authorized/Unauthorized Non-Stormwater Discharge Monitoring
3/17/12	Monthly Wet Weather Visual Observations
4/11/12	Monthly Wet Weather Visual Observations
5/8/12	Dry Weather Monitoring (2012 Dry Weather Season)
6/4-5/12	Quarterly Authorized/Unauthorized Non-Stormwater Discharge Monitoring
6/6/12	Dry Weather Monitoring (2012 Dry Weather Season)
7/6/12	Dry Weather Monitoring (2012 Dry Weather Season)

3.1 IDDE REPORTING AND RESPONSE

Appendix A presents information on the 155 IDDE events which were identified during a routine inspection or reported to the Authority's 24-hour telephone line or reported directly to the Environmental Affairs Department during the reporting period. The Environmental Affairs Department classified each incident into one of the twelve activity categories shown in Table 2. These categories differ from the categories used in previous IDDE Annual reports. The "Activity Categories" used in this years report correspond to the BMP categories that the Airport Authority uses in its Stormwater Management Program. The nature and disposition of all 155 IDDE incidents noted in Table 2 are presented in Appendix A.

Table 2 - Summary of IDDE Incidents by Category as Reported During FY11-12*

Incident Activity Category	Number of Incidents*
SC08: Waste Handling and Disposal	38
SC02B: Aircraft, Ground Vehicle, and Equipment Maintenance	29
SC18: Housekeeping	23
SR01: Spill Prevention, Control, and Clean up	20
SC07: Outdoor/Indoor Material Storage	16
SC11: Lavatory Service Operations	13
SC01: Non-Storm Water Management	6
SC03: Aircraft, Ground Vehicle, and Equipment Fueling	5
SC13: Fire Fighting Foam Discharge	2

SC16: Parking Lots	1
SC12: Outdoor Washdown/Sweeping	1
TC01: Treatment Controls	1

*See Appendix A for detailed descriptions of each incident.

The most frequently reported type of improperly implemented activity was waste handling and disposal, comprising 24.5% of the total. These issues are primarily from tenants not having a cover or lid on trash receptacles that are stored outdoors. The Authority has tried to focus education opportunities on this issue and will continue to in order to improve implementation of proper best management practices related to waste handling and disposal.

Incidents related to aircraft, ground vehicle, and equipment maintenance were the second most frequently reported type of IDDE event, comprising 18.7% of the total. The incidents were primarily related to leaking equipment that is in need of repair. These pieces of equipment are reported to the tenants and usually taken off the ramp immediately for service.

Housekeeping was the third most frequently observed improperly implemented activity, comprising 14.8% of the total. These incidents primarily consisted of tenant operational areas in need of sweeping or tidying, where trash and/or debris were observed.

The fourth most commonly observed incident type, at 12.9%, was spill prevention, control, and clean up." These incidents were primarily fresh stains observed on the ramp that had not properly been cleaned up by the tenant.

Outdoor/Indoor Material Storage incidents, reported 10.3% of the time, were noted when containers and/or supplies were left outdoor in tenant's operational areas without proper overhead cover or secondary containment.

Issues concerning lavatory service operations comprise 8.3% of the IDDE issues. These issues were either a leak or spill that occurred during lavatory service operations or a sewer line malfunction. These incidents are discussed further in Section 3.2 below.

Incidents related to non-storm water management, aircraft ground vehicle and equipment fueling, firefighting foam discharge, parking lots, outdoor washdown/sweeping, and treatment controls all occurred less than 5% of the time.

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 13 IDDE incidents related to lavatory operations/sewage at SDIA during the reporting period, as compared to the 11 reported last fiscal year.

Six IDDE incidents related to lavatory operations/sewage at SDIA involved sewage leaks from buildings or the sanitary sewer line on the landside and airside. Of the seven remaining IDDE sewage incidents that did not involve lavatory service operations, five incident were related to spills or leaks that occurred during routine lavatory service operations or lavatory service equipment malfunctioning. One incident involved a leaking port-a-potty in a parking lot and one involved staining at the triturator, which is part of the sewage disposal system used to discharge waste from aircraft lavatories into the City of San Diego Metropolitan Waste Water Department sewer system. Each of these issues was addressed immediately, the spills cleaned up, and the problems corrected. None of these 13 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 also 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 these materials through licensed handlers. The Authority provides information to tenants to help facilitate their own disposal needs, when asked or when necessary. Additionally during FY11-12, the Authority hosted electronic and universal waste collection events on August 19, 2011, January 27, 2012, and April 20, 2012. 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 FY11-12, 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 FY11-12

Description of Waste	Quantity Disposed
Hazardous Waste, Solid	2,810 lbs
Hazardous Waste, Corrosive Liquid	3 gal
Hazardous Waste, Aerosols, Flammable	55 lbs
Hazardous Waste, Flammable Liquid (Paints and Thinners)	170 gal
Asbestos and Non-friable Waste	24,104 lbs
Non-RCRA Hazardous Waste, Solid (Absorbent, Soil, Toner, and Debris)	120,240 lbs
Non-RCRA Hazardous Waste, Solid (Oily Debris and/or Diesel)	575 lbs
Non-RCRA Hazardous Waste, Liquid	1,100 gal
Non-Hazardous Waste, Solid (Soil)	189,200 lbs
Non-Hazardous Waste, Liquid (Rinse Water)	0
Waste Flammable Solid, Organic	125 lbs
Universal Waste (Fluorescent Lamps, Monitors, Alkali and/or Rechargeable Batteries)	10,114 light bulbs and 1,328 lbs of batteries

4 URBAN RUNOFF MONITORING

The Authority conducts or participates in urban runoff monitoring programs to meet requirements of the Municipal Permit. Several of these programs are carried out collectively and reported on separately 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 FY11-12 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 (POCs). 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 six seasons, the Authority has increased the number of monitoring events to three each season and has timed at least one of 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. This coordinated monitoring is done in order to more effectively identify potential illicit discharges that may cross jurisdictional boundaries and better facilitate upstream source identification.

The Authority has implemented a dry weather monitoring program since 2003. Over the past nine 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.

Samples are taken at all sites with flowing or ponded water. Due to the airport's proximity to San Diego Bay, tidal intrusion is common within the Authority's MS4, and therefore conductivity is the first field parameter measured. If the specific conductance of the sample is high enough to suggest that the sample was likely seawater, then the sample is not subjected to additional field screening or laboratory analysis.

During the 2012 dry weather monitoring season, three sites could not be sampled due to construction activity (namely CB01-1, CB12-9, and C-B08-10) and alternate sites were used. There were three dry weather monitoring events scheduled during the 2012 dry weather season; May 8, 2012, June 6, 2012, and July 6, 2012. At site CB07-6, during the May 8th event, one sample was screened for the full suite of field analytes, with this one sample exhibiting exceedences, and consequently being sent to the laboratory for analysis. Based on laboratory analytical sample results (presented in below in Table 5) no follow-up investigation was conducted at CB07-6. During the subsequent dry weather observations on June 6 and July 6, the monitoring location was dry, as had been the case for previous years. All other sites observed during the 2012 were either dry or tidally influenced. The field data sheets for all three monitoring events are provided in Appendix C.

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 POCs identified as a result of sampling and analysis. Table 5 presents the results of the laboratory analysis conducted for site CB07-6.

Table 4 - Dry Weather Monitoring Program Sample Sites During FY11-12

Site ID	Site Description	Dates Observed	Was There Sufficient Water to Sample at Time of Observation? (Y/N)	Type of Analyses (S, F, L)[(a)]	Potential Pollutant(s) of Concern Identified	Follow-Up Investigation Conducted? (Y/N)
C-B01-1a[(b)]	Landmark Aviation	5/8/2012	Y	S	–	N
		6/6/2012	Y	S	–	N
		7/6/2012	Y	S	–	N
C-B03-2	Blast Fence	5/8/2012	Y	S	–	N
		6/6/2012	Y	S	–	N
		7/6/2012	Y	S	–	N
C-B05-3	Rental Car Storage	5/8/2012	N	N/A	–	N
		6/6/2012	N	N/A	–	N
		7/6/2012	N	N/A	–	N
C-B05-4	Generator Storage Area	5/8/2012	Y	S	–	N
		6/6/2012	Y	S	–	N
		7/6/2012	Y	S	–	N
C-B06-5	Air Traffic Control Tower	5/8/2012	Y	S	–	N
		6/6/2012	Y	S	–	N
		7/6/2012	Y	S	–	N
C-B07-6	Oil Water Separator at American	5/8/2012	Y	F, L	NH_3-N, PO_4, MBAS	N
		6/6/2012	N	N/A	–	N
		7/6/2012	N	N/A	–	N
C-B07-7	West Wing Parking Lot	5/8/2012	N	N/A	–	N
		6/6/2012	N	N/A	–	N
		7/6/2012	N	N/A	–	N
C-B08-8	Southwest Slit Trench	5/8/2012	N	N/A	–	N
		6/6/2012	N	N/A	-	N
		7/6/2012	N	N/A	–	N
C-B12-9a[(c)]	Delta Gate Area	5/8/2012	N	N/A	–	N
		6/6/2012	N	N/A	–	N
		7/6/2012	N	N/A	–	N
C-B08-10a[(d)]	T1 Parking Lot	5/8/2012	N	N/A	–	N
		6/6/2012	N	N/A	–	N
		7/6/2012	N	N/A	–	N

(a) S = Sample conductivity suggested seawater and no further analyses were conducted.
F = Field measurements conducted.
L = Laboratory analyses conducted.

(b) C-B01-1a replaced sampling site C-B01-1 due to reconfiguration of storm drains in the Taxiway Charlie area.

(c) C-B12-9a (located in the same location as S-B12-13) replaces C-B12-9, which is not accessible due to the Terminal Development Project (TDP) construction.
(d) C-B08-10a is the alternate site for C-B09-10, which is not accessible due to the Terminal Development Project (TDP) construction.

Table 5 - Monitoring and Sampling Results

Analyte	Unit	Copermittee Action Level	C-B07-6 5/8/2012
Temperature	°C	Best Professional Judgment	21.93
pH	pH unit	<6.5 or >9.0	8.27
Conductivity	mS/cm	Best Professional Judgment	0.926
Turbidity	NTU	Best Professional Judgment	43.7
Orthophosphate-P	mg/L	2.0	>10
Nitrate-N	mg/L	10.0	1
Ammonia-N	mg/L	1.0	>10
MBAS	mg/L	1.0	>3
Oil and Grease	mg/L	15	ND
Dissolved Cadmium	ug/L	California Toxics Rule, Action Level = 5(1)	ND
Dissolved Copper	ug/L	California Toxics Rule, Action Level = 14(1)	13
Dissolved Lead	ug/L	California Toxics Rule, Action Level = 70(1)	ND
Dissolved Zinc	ug/L	California Toxics Rule, Action Level = 123(1)	27
Total Coliform	MPN/100	50,000	<2
Fecal Coliform	MPN/100	20,000	<2
Enterococcus	MPN/100	10,000	42
Diazinon	ug/L	0.5	ND
Chlorpyrifos	ug/L	0.5	ND

N/A = Not applicable.
(1) Action Levels are calculated based on the reported Total Hardness of 106 mg/L.

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 is considered "foreign object debris (FOD)" and is rarely a problem since it can easily become a safety hazard for aircraft and particularly jet engines. Anyone working on the airside is trained to be especially mindful of, to be vigilant for, and to pick up FOD. 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.

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 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 POCs at SDIA in terms of annual mass loading in stormwater, identify the potential for reduction in the concentrations of these POCs 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 POCs) 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 POCs at SDIA (specifically, copper and zinc).

The sampling locations for the wet-weather monitoring program 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 (including alternated locations) and listed in Table 4 above. For BMP effectiveness monitoring, sampling locations were selected from the source identification sampling locations to minimize the number of sampling locations, while maintaining the statistical strength of program. Only one of these sites (SB06-12, the trend analysis site) was monitored and sampled in FY11-12.

The results of the FY11-12 wet weather monitoring program were detailed by AMEC Environment and Infrastructure, Inc., in a report entitled "Draft 2011-2012 Storm Water Sampling Summary Report," and dated June 2012. In FY11-12, sampling was only performed for the Compliance and BMP Effectiveness portions of the wet-weather monitoring program. Sampling for Source Identification analysis was completed in the previous sampling seasons (2006-2007 and 2007-2008) and discussed in previous annual reports. The paired watershed study sites were also not sampled in 2011-2012 season, leaving only one location (SB06-12, the trend analysis site) to be monitored and sampled. The FY11-12 wet weather season resulted in a total rainfall of 7.84 inches at SDIA, which is less than the annual total average rainfall of 10.2 inches. During the FY11-12 wet weather season, sampling activities were performed during five storm events. Table 6 provides a summary of the total rainfall and duration of each of these five storms.

Table 6 – FY11-12 Sampled Storm Event Summary

Event	**Date**	**Total Rainfall (inches)**	**Event Duration (hours)**
1	10/05/11	0.25	5.0
2	11/04/11	0.55	16.5
3	11/12/11	1.34	12.5
4	11/20/11	1.11	19.5
5	12/12/11	0.81	30.5
Total Rainfall from Monitored Events		4.06	---

COMPLIANCE SAMPLING

The compliance sampling element of the program was completed during the first two storm events of the season, which occurred October 5, 2011 and November 4, 2011. 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 7.

Table 7 – FY11-12 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	1.98	63.6	5.40	0.15	20
BOD	mg/L	21.6	90.6	129	6.1	20
COD	mg/L	88.0	91.7	550	34.0	20
SC	µmhos/cm	185.5	63.5	582	77.6	20
Oil & Grease	mg/L	1.0	54.8	3.80	ND[(a)]	20
pH	pH Units	6.77	7.1	8.35	6.24	20
TSS	mg/L	9.5	86.9	38	ND[(a)]	20
Aluminum, Total	µg/L	420	158.2	6,100	78	20
Copper, Total	µg/L	155.0	88.3	600	17	20
Iron, Total	µg/L	175	119.5	1,800	76	20
Lead, Total	µg/L	3.95	139.7	55	ND[(a)]	20
Zinc, Total	µg/L	330	87.4	1,500	72	20
Copper, Dissolved	µg/L	120.0	97.0	560	6.4	20
Zinc, Dissolved	µg/L	270.0	88.5	1,300	ND[(a)]	20
Ethylene Glycol	mg/L	5	0	ND[(a)]	ND[(a)]	20
Propylene Glycol	mg/L	5	0	ND[(a)]	ND[(a)]	20
MBAS	mg/L	0.145	55.5	0.25	ND[(a)]	20
Diesel Range Organics	mg/L	0.025	0	ND[(a)]	ND[(a)]	20
Jet-A	mg/L	0.025	139.2	0.88	ND[(a)]	20
Oil Range Organics	mg/L	0.14	96.0	2.7	ND[(a)]	20

(a) Half of the detection limit was used as the data point for statistical analysis of results that were not detected.

Table 8 shows a comparison of the median concentrations for the compliance sampling program POCs to the benchmarks concentrations, as well as the number of benchmark exceedances that occurred. The origin of the benchmark values is discussed in the Wet Weather Monitoring Program described in Appendix D-2 of the SWMP. Specific conductivity, oil and grease, pH, total suspended solids, total lead and ethylene glycol did not exceed the benchmarks. Total and dissolved zinc, and total and dissolved copper had exceedences frequencies of 80%, 80%, 100% and 90%, respectively. The remaining POCs exceeded the benchmarks in 45% or less of the samples. These results are consistent with historical data for POCs at SDIA.

Table 8 - Comparison of FY11-12 Compliance Sampling Results to Analyte Benchmarks

Pollutant of Concern (units)	Median Concentration[(a)]	Benchmark	No. of Analyses	No. of Exceedences	Exceedences Frequency(%)
Ammonia-N (mg/L)	1.98	2.14	20	9	45
BOD (mg/L)	21.6	30	20	7	35
COD (mg/L)	88.0	120	20	8	40
Specific Conductivity (µmhos/cm)	185.5	900	20	0	0
Oil & Grease (mg/L)	1.0	15	20	0	0
pH (pH unit)	6.77	6.0 - 9.0	20	0	0
TSS (mg/L)	9.5	100	20	0	0
Aluminum, Total (µg/L)	420	750	20	7	35
Copper, Total (µg/L)	155.0	14	20	20	100
Copper, Dissolved (µg/L)	120.0	14	20	18	90
Iron, Total (µg/L)	175.0	1,000	20	1	5
Lead, Total (µg/L)	3.95	82	20	0	0
Zinc, Total (µg/L)	330.0	120	20	16	80
Zinc, Dissolved (µg/L)	270.0	120	20	16	80
Ethylene Glycol (mg/L)	5	100	20	0	0

(a) Half of the detection limit was used as the data point for statistical analysis of results that were not detected.

BMP EFFECTIVENESS SAMPLING

The source identification sampling and BMP effectiveness monitoring efforts are designed to help assess the need for changes in the stormwater management program at the airport. Continued future sampling efforts are designed to identify POC sources and evaluate the effectiveness of BMP implementation. 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 BMP treatment options. The 2009-2010 storm water season should have been the first sampling season of the three-year treatment period monitoring for the paired watershed study. However, due to budget constraints and the initiation of the Green Build (Terminal Expansion) project in a parking lot that represented one of the paired watersheds, BMP recommendations from the 2008-2009 Storm Water Sampling Summary Report that would enhance or add source control BMPs in the paired watershed study test areas were not implemented. Consequently, the BMP effectiveness monitoring sampling from the 2011-2012 season was the fifth year of the calibration period. Again, during the 2011-2012 stormwater season, primarily due to ongoing construction activities of the Green Build Project, the paired watershed study sites were not sampled, meaning that six locations (S-B08-1, S-B08-2, S-B09-3, S-B11-4, S-B12-13, and S-B08-14) were not included in the wet season monitoring. This left only one location (S-B06-12, the trend analysis site) to be monitored and sampled. Site S-B06-12 was sampled using automated, flow-weighted composite sampling devices. The site was sampled for five storms (December 19, 2010, December 29, 2010, January 2, 2011, February 16, 2011, and February 26, 2011) per SDCRAA's sampling program. PSD analyses were performed using a different method (ASTM D4464M) than the method (SM2560 D) specified in the SWMP and analyses of ammonia were performed using a different method (SM 4500-NH3) than the method (EPA 350.3) specified in the SWMP. The laboratory verified that these two methods are equivalent methods to those specified in the SWMP. Additionally, as previously mentioned in the 2008-2009 Storm Water Sampling Summary Report, during the 2011-2012 stormwater season, PSD samples at S-B06-12 were collected using grab sampling within the first hour of runoff rather than composite sampling techniques.

Table 9 presents the summary statistics (median, maximum, and minimum values, number of samples, along with the COV) on analytical results from all BMP effectiveness samples collected for the past five storm water seasons (2006-2007, 2007-2008, 2008-2009, 2009-2010, 2010-2011 and 2011-2012).

Table 9 – BMP Effectiveness Sampling Analytical Results Summary, 2006 – 2012

Pollutant of Concern	Units	Median	Coefficient of Variance (%)	Maximum Value	Minimum Value	Number of Samples
BOD	mg/L	14.15	86.2	84.0	ND[(a)]	118
COD	mg/L	39.5	84.3	218	ND[(a)]	118
SC	µmhos/cm	114	235.6	4,390	39	118
Oil & Grease	mg/L	1.0	52.6	4.00	ND[(a)]	118
pH	pH Units	7.0	7.37	8.92	5.5	118
TSS	mg/L	5.0	135.4	91.0	ND[(a)]	118
Aluminum, Total	µg/L	140	172.4	5,200	ND[(a)]	118
Copper, Total	µg/L	29.50	92.1	330	5.4	118
Iron, Total	µg/L	165	169.2	6,000	ND[(a)]	118
Lead, Total	µg/L	1.0	179.1	55.5	ND[(a)]	118
Zinc, Total	µg/L	96.5	74.3	560	8.6	118
Copper, Dissolved	µg/L	18.0	83.1	120	2.9	118
Zinc, Dissolved	µg/L	61.5	78.8	320	2.4	118
Ethylene Glycol	mg/L	5.0	49.6	29.1	ND[(a)]	118
Propylene Glycol	mg/L	5.0	101.5	58.0	ND[(a)]	108

(a) Half of the detection limit was used as the data point for statistical analysis of results that were not detected.

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 at the time the incident was reported. 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. None of the incidents that occurred during FY11-12 were classified as an "unauthorized discharge."

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 fifth year the results of a complete dry weather season monitoring program have been presented in a single report and the fourth 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 2011-2012 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. There are no program modification proposed at this time.

Appendix A

FY11-12 Illicit Discharge Dectection and Elimination Report Log

FY11-12 IDDE Report Log

Activity Type	Date	ID Source	Compliance Issue	Resolution Method
SC01: Non-Storm Water Management	7/9/2011	Daily Log	Water leak reported in gate area originating from body/eye wash station.	Authority plumber notified.
SC01: Non-Storm Water Management	8/8/2011	Daily Log	Water leak reported at Gate.	Authority plumber notified.
SC01: Non-Storm Water Management	8/22/2011	Daily Log	Water leak at gate from tenant drain.	Authority maintenance notified.
SC01: Non-Storm Water Management	1/6/2012	Daily Log	Leak in potable water pipe to jet bridge.	Authority plumber contacted to repair.
SC01: Non-Storm Water Management	2/29/2012	Daily Log	Gray water seeping from manhole, ramp side near gates.	Authority maintenance notified.
SC01: Non-Storm Water Management	7/7/2012	Daily Log	Large amount of water flooding from broken line near least tern oval.	Authority maintenance and city crews notified.
SC02B: Aircraft, Ground Vehicle & Equipment Maintenance	9/13/2011	Ad Hoc Inspection	Significant oil staining observed on the ramp under Gate 17.	Spoke with tenant. Area was cleaned and leaking vehicle repaired.
SC02B: Aircraft, Ground Vehicle & Equipment Maintenance	9/21/2011	Quarterly Inspection	Leaking from tenant wash cart observed.	Email sent to tenant. Tenant repaired leaks.
SC02B: Aircraft, Ground Vehicle & Equipment Maintenance	9/21/2011	Quarterly Inspection	Fresh staining observed under trucks in fuel truck parking area.	Email sent to tenant. Tenant placed drip pans under leaking equipment, and equipment repairs were made.
SC02B: Aircraft, Ground Vehicle & Equipment Maintenance	10/12/2011	Ad Hoc Inspection	Fresh staining observed under tenant equipment between Gates 20 and 21.	Email sent to tenant. Tenant had area cleaned and equipment checked.
SC02B: Aircraft, Ground Vehicle & Equipment Maintenance	12/6/2011	Ad Hoc Inspection	Tenant equipment had minor leaking.	Email sent to tenant. Staining was cleaned and equipment was checked for leaks.
SC02B: Aircraft, Ground Vehicle & Equipment Maintenance	12/8/2011	Quarterly Inspection	Leaking from tenant wash cart observed.	Email sent to tenant. Tenant repaired leaks.
SC02B: Aircraft, Ground Vehicle & Equipment Maintenance	12/9/2011	Quarterly Inspection	Tug equipment leaking red oily fluid on ramp.	Tenant contacted via telephone and email. Tenant had tug repaired and area cleaned.
SC02B: Aircraft, Ground Vehicle & Equipment Maintenance	1/3/2012	Ad Hoc Inspection	Truck observed leaking oil on commuter terminal ramp.	Email sent to tenant. Tenant had equipment checked for leaks.
SC02B: Aircraft, Ground Vehicle & Equipment Maintenance	2/9/2012	Ad Hoc Inspection	Tenant equipment observed leaking near Gate 21.	Email sent to tenant. Equipment was checked for leaks, leaks were AC condensate.

FY11-12 IDDE Report Log

Activity Type	Date	ID Source	Compliance Issue	Resolution Method
SC02B: Aircraft, Ground Vehicle & Equipment Maintenance	2/9/2012	Ad Hoc Inspection	Leaking equipment observed near Gate 37.	Email sent to tenant. Tenant had equipment fixed and area cleaned.
SC02B: Aircraft, Ground Vehicle & Equipment Maintenance	3/9/2012	Annual Inspection	Fresh oil staining observed outside tenant office.	Email sent to tenant. Tenant cleaned area and inspected equipment.
SC02B: Aircraft, Ground Vehicle & Equipment Maintenance	3/9/2012	Annual Inspection	Leaking observed from tenant cart in maintenance yard.	Email was sent to tenant. Equipment was repaired.
SC02B: Aircraft, Ground Vehicle & Equipment Maintenance	3/27/2012	Annual Inspection	Full drip pan observed under equipment in tenant maintenance yard.	Email was sent to tenant. Tenant had pan properly emptied and disposed of.
SC02B: Aircraft, Ground Vehicle & Equipment Maintenance	6/4/2012	Quarterly Inspection	Several areas of petroleum staining under fuel trucks.	Email was sent to tenant. Tenant purchased drip pans and cleaned area.
SC02B: Aircraft, Ground Vehicle & Equipment Maintenance	6/5/2012	Quarterly Inspection	Tenant equipment leak observed.	Email was sent to tenant. Tenant had equipment repaired and area cleaned.
SC02B: Aircraft, Ground Vehicle & Equipment Maintenance	6/5/2012	Quarterly Inspection	Tenant equipment leaking at Gate 28.	Email was sent to tenant. Tenant had vendor clean area.
SC02B: Aircraft, Ground Vehicle & Equipment Maintenance	6/5/2012	Quarterly Inspection	Vehicle observed with possible leak.	Email was sent to tenant. Tenant moved unit and had area cleaned.
SC02B: Aircraft, Ground Vehicle & Equipment Maintenance	6/5/2012	Quarterly Inspection	Vehicle observed leaking during performance of maintenance.	Email was sent to tenant. Tenant had area cleaned and installed drip pan under equipment.
SC02B: Aircraft, Ground Vehicle and Equipment Maintenance	7/6/2011	Daily Log	Fuel leak from tug near gate.	Quickly cleaned and no storm drains affected.
SC02B: Aircraft, Ground Vehicle and Equipment Maintenance	7/14/2011	Daily Log	Approximately 20 gallon hydraulic spill from aircraft brake panel.	Ground crew cleaned with absorbent. Authority scrubber requested.
SC02B: Aircraft, Ground Vehicle and Equipment Maintenance	8/19/2011	Daily Log	Compactor leaking hydro fluid.	Waste management contractor notified.
SC02B: Aircraft, Ground Vehicle and Equipment Maintenance	8/20/2011	Daily Log	Hydraulic spill at taxiway.	Authority maintenance notified for scrubbing.

FY11-12 IDDE Report Log

Activity Type	Date	ID Source	Compliance Issue	Resolution Method
SC02B: Aircraft, Ground Vehicle and Equipment Maintenance	10/3/2011	Daily Log	Approximately 2 gallon fuel spill at gate due to faulty fuel gauge. No storm drains affected.	Pilot notified and spill cleaned.
SC02B: Aircraft, Ground Vehicle and Equipment Maintenance	1/17/2012	Daily Log	Leak noted under ramp side gate.	Authority clean up contractor notified to handle excess foam accumulated around closed storm drain.
SC02B: Aircraft, Ground Vehicle and Equipment Maintenance	1/31/2012	Daily Log	Hydraulic line broke on truck working in T2E alley.	Authority maintenance responded.
SC02B: Aircraft, Ground Vehicle and Equipment Maintenance	2/29/2012	Daily Log	Back flow preventer at gate leaking.	Authority maintenance notified.
SC02B: Aircraft, Ground Vehicle and Equipment Maintenance	3/14/2012	Daily Log	Traffic officer reported radiator coolant leak near in front of terminal.	Authority maintenance contacted for clean up.
SC02B: Aircraft, Ground Vehicle and Equipment Maintenance	5/19/2012	Daily Log	Hydraulic leak observed near tenant area on north ramp.	Tenant performed cleanup.
SC02B: Aircraft, Ground Vehicle and Equipment Maintenance	6/5/2012	Daily Log	Tug leaked 203 gallons of fuel onto ramp. No storm drains affected.	Tenant utilized Authority Spill Trailer.
SC03: Aircraft, Ground Vehicle and Equipment Fueling	7/15/2011	Daily Log	Trace amount of fuel entered slit trench at gate.	Fuel absorbed by concrete. No action required.
SC03: Aircraft, Ground Vehicle and Equipment Fueling	8/23/2011	Daily Log	Spill at gate while fueling aircraft.	HPD & ARFF notified. Quickly contained and cleaned with absorbent material.
SC03: Aircraft, Ground Vehicle and Equipment Fueling	9/17/2011	Daily Log	Hose leak on diesel fueling truck. Possible 1 gallon into storm drain.	Diapers and absorbent applied.
SC03: Aircraft, Ground Vehicle and Equipment Fueling	11/26/2011	Daily Log	Small spill from wing while refueling aircraft. No storm drains affected.	Speedy dry applied.
SC03: Aircraft, Ground Vehicle and Equipment Fueling	6/14/2012	Daily Log	Fuel spill of approximately 5 gallons at gate from aircraft overflow vent. No storm drains affected.	Tenant cleaned spill.
SC07: Outdoor Material Storage	9/21/2011	Quarterly Inspection	Herbicide bottles left outdoors without overhead cover.	Work order submitted. Bottles were relocated.
SC07: Outdoor Material Storage	9/21/2011	Quarterly Inspection	Drums in cargo yard stored outdoors without proper secondary containment.	Email sent to tenant. Drums were empty, and tenant had them labeled as such.

FY11-12 IDDE Report Log

Activity Type	Date	ID Source	Compliance Issue	Resolution Method
SC07: Outdoor Material Storage	9/21/2011	Quarterly Inspection	Drums stored outdoors without secondary containment.	Spoke with tenant in person. Drums were empty, and tenant had them labeled as such.
SC07: Outdoor Material Storage	9/21/2011	Quarterly Inspection	Outdoor trash container without lid.	Work order submitted. Trash container removed from area.
SC07: Outdoor Material Storage	9/21/2011	Quarterly Inspection	Drums stored outdoors without proper containment or labeling.	Email sent to tenant. Tenant had drums removed from site.
SC07: Outdoor Material Storage	11/8/2011	Ad Hoc Inspection	Hazardous materials and waste stored outdoors without proper containment.	Email sent to tenant. Hazardous materials and waste was stored properly and area was cleaned.
SC07: Outdoor Material Storage	12/8/2011	Quarterly Inspection	Unlabeled drums stored outdoors without secondary containment.	Email was sent to tenant. Tenant had drum removed from site.
SC07: Outdoor Material Storage	12/8/2011	Quarterly Inspection	Drums stored outdoors without cover in boneyard.	Drums were removed from site by Authority contractor.
SC07: Outdoor Material Storage	2/9/2012	Ad Hoc Inspection	Maintenance material stored outside without proper containment.	Email sent to tenant. Tenant moved items to an appropriate location.
SC07: Outdoor Material Storage	3/9/2012	Annual Inspection	Radiator fluid spill from drum at Gate 12 observed.	Email was sent to tenant. Area was cleaned and employees were briefed on proper procedures.
SC07: Outdoor Material Storage	3/9/2012	Annual Inspection	Improper storage of alkaline cleaner containers in maintenance yard.	Email was sent to tenant. Tenant had containers moved to a covered area.
SC07: Outdoor Material Storage	3/21/2012	Ad Hoc Inspection	Improper storage of batteries.	Email was sent to tenant. Batteries were moved to an appropriate area.
SC07: Outdoor Material Storage	3/21/2012	Ad Hoc Inspection	Improper storage of oil containers.	Email was sent to tenant. Tenant removed oil containers.
SC07: Outdoor Material Storage	3/21/2012	Ad Hoc Inspection	Improper storage of oily rags without containment.	Email was sent to tenant. Tenant disposed of rags properly.
SC07: Outdoor Material Storage	3/21/2012	Ad Hoc Inspection	Observed transport trucks with exposed fuel tanks.	Email was sent to tenant. Tenant ensured truck tanks were covered.
SC07: Outdoor Material Storage	6/5/2012	Quarterly Inspection	Blue juice drums stored outdoors without lids.	Email was sent to tenant. Tenant provided new secondary containment for drums.
SC08: Waste Handling & Disposal	7/7/2011	Ad Hoc Inspection	Observed grease spills on and around bin near Gate 1.	Email was sent to tenant. Area was cleaned.
SC08: Waste Handling & Disposal	7/12/2011	Ad Hoc Inspection	Outdoor trash can without lid.	Email sent to tenant. Lid was provided for trash can.
SC08: Waste Handling & Disposal	7/12/2011	Ad Hoc Inspection	Outdoor trash can without lid.	Email sent to tenant. Trash can was moved indoors.
SC08: Waste Handling & Disposal	7/12/2011	Ad Hoc Inspection	Trash was left on outdoor table in eating area on the CT ramp.	Email sent to tenant. Trash was removed.
SC08: Waste Handling & Disposal	7/12/2011	Ad Hoc Inspection	Trash bag was left outdoors without containment.	Email sent to tenant. Trash was properly disposed of.

FY11-12 IDDE Report Log

Activity Type	Date	ID Source	Compliance Issue	Resolution Method
SC08: Waste Handling & Disposal	7/12/2011	Ad Hoc Inspection	Outdoor trash can without lid.	Email sent to tenant. Lid was provided for trash can.
SC08: Waste Handling & Disposal	9/13/2011	Ad Hoc Inspection	Outdoor trash cans without lids and loose debris observed in construction area under Gate 3.	Email was sent to project manager. Area was cleaned and lids were provided.
SC08: Waste Handling & Disposal	9/13/2011	Ad Hoc Inspection	Outdoor trash can without a lid.	Email sent to tenant. Trash can was removed from area.
SC08: Waste Handling & Disposal	9/21/2011	Quarterly Inspection	Outdoor trash cans without a lid.	Email sent to tenant. Trash cans were removed from area.
SC08: Waste Handling & Disposal	9/21/2011	Quarterly Inspection	Outdoor trash can observed overflowing and without a lid.	Email sent to tenant. Tenant restored lid to can and emptied trash.
SC08: Waste Handling & Disposal	9/21/2011	Quarterly Inspection	Outdoor dumpster with lid left off.	Spoke with tenant in person. Tenant closed lid and reminded staff of proper procedures.
SC08: Waste Handling & Disposal	9/21/2011	Quarterly Inspection	Outdoor trash can without lid.	Email sent to tenant. Trash can was removed from area.
SC08: Waste Handling & Disposal	9/21/2011	Quarterly Inspection	Improperly stored trash containers at Gate 34.	Email sent to tenant. Tenant removed containers from area and briefed staff on proper procedures.
SC08: Waste Handling & Disposal	10/12/2011	Ad Hoc Inspection	Outdoor trash cans with broken lids.	Email was sent to the tenant. Tenant had lids replaced.
SC08: Waste Handling & Disposal	12/8/2011	Quarterly Inspection	Low boy street sweeping dumpster is without cover.	Spoke with Authority maintenance department. Cover was provided.
SC08: Waste Handling & Disposal	12/9/2011	Quarterly Inspection	Leaking trash cart observed at Gate 34.	Tenant contact via telephone and email. Tenant fixed cart and cleaned area.
SC08: Waste Handling & Disposal	12/9/2011	Quarterly Inspection	Outdoor trash can without lid.	Email sent to tenant. Tenant installed lid on trash can.
SC08: Waste Handling & Disposal	12/9/2011	Quarterly Inspection	Outdoor recycle container without lid.	Email sent to tenant. Tenant removed uncovered containers from area.
SC08: Waste Handling & Disposal	12/9/2011	Quarterly Inspection	Outdoor trash container without lid.	Email sent to tenant. Tenant provided lid for trash can.
SC08: Waste Handling & Disposal	3/1/2012	Annual Inspection	Drums stored outdoors without proper labels.	Email was sent to tenant. Tenant provided labels for drums.
SC08: Waste Handling & Disposal	3/7/2012	Annual Inspection	Outdoor trash containers without lids.	Email sent to tenant. Tenant provided lids for containers and briefed staff on proper procedures.
SC08: Waste Handling & Disposal	3/7/2012	Annual Inspection	Improper storage of materials outside.	Email sent to tenant. Tenant removed items from outside.

FY11-12 IDDE Report Log

Activity Type	Date	ID Source	Compliance Issue	Resolution Method
SC08: Waste Handling & Disposal	3/8/2012	Annual Inspection	Bags of recyclables stored outdoors without containment.	Email was sent to tenant. Tenant removed recyclables from site.
SC08: Waste Handling & Disposal	3/19/2012	Annual Inspection	Outdoor trash containers observed without lids.	Email was sent to tenant. Tenant provided lids for trash containers and discussed procedures with staff.
SC08: Waste Handling & Disposal	3/21/2012	Ad Hoc Inspection	Outdoor trash containers without lids.	Email was sent to tenant. Tenant provided lids for trash containers.
SC08: Waste Handling & Disposal	3/27/2012	Annual Inspection	Outdoor trash cart observed without lid.	Email was sent to tenant. Tenant provided lid for trash cart.
SC08: Waste Handling & Disposal	5/1/2012	Ad Hoc Inspection	Observed grease spills and leaking containers without proper containment.	Email was sent to tenant. Tenant had leaking containers disposed of, and area power washed.
SC08: Waste Handling & Disposal	6/4/2012	Quarterly Inspection	Outdoor street sweeping dumpster without cover and material spill.	Work order submitted. Dumpster was covered and area cleaned.
SC08: Waste Handling & Disposal	6/4/2012	Quarterly Inspection	Portable lavatory observed without secondary containment.	Email was sent to tenant. Vendor was contacted, and installed containment pan.
SC08: Waste Handling & Disposal	6/4/2012	Quarterly Inspection	Outdoor trash container without lid.	Email was sent to tenant. Tenant had lid closed and briefed employees on proper procedures.
SC08: Waste Handling & Disposal	6/4/2012	Quarterly Inspection	Piles of trash observed on ramp in tenant area.	Email sent to tenant. Tenant had trash piles removed and disposed of.
SC08: Waste Handling & Disposal	6/4/2012	Quarterly Inspection	Outdoor trash container without lid.	Email sent to tenant. Tenant provided lid.
SC08: Waste Handling & Disposal	6/5/2012	Quarterly Inspection	Oil stain observed under jet bridge at Gate 23.	Email was sent to tenant. Tenant cleaned area and briefed team on proper spill procedures.
SC08: Waste Handling & Disposal	6/5/2012	Quarterly Inspection	Outdoor overflowing trash can with no lid.	Email was sent to tenant. Tenant had trash can emptied and installed lid.
SC08: Waste Handling & Disposal	6/5/2012	Quarterly Inspection	Outdoor trash can without lid at Gate 36.	Email was sent to tenant. Tenant removed trash can from area.
SC08: Waste Handling & Disposal	6/5/2012	Quarterly Inspection	Outdoor trash can without lid.	Email was sent to tenant. Tenant had trash can removed from area.
SC08: Waste Handling & Disposal	6/5/2012	Quarterly Inspection	Outdoor trash can without lid.	Email was sent to tenant. Tenant had trash can removed from area.
SC08: Waste Handling & Disposal	6/5/2012	Quarterly Inspection	Outdoor trash container without lid.	Email was sent to tenant. Tenant had trash can moved indoors.
SC11: Lavatory Service Operation	7/7/2011	Daily Log	Sewage flowing on ramp from pipe at gate.	Authority clean up contractor contacted.

FY11-12 IDDE Report Log

Activity Type	Date	ID Source	Compliance Issue	Resolution Method
SC11: Lavatory Service Operation	7/14/2011	Daily Log	Sewer line backing up on ramp.	Authority plumber advised and clean up contractor contacted.
SC11: Lavatory Service Operation	7/15/2011	Daily Log	Sewer water flowing from clean out drain at gate.	Authority clean up contractor contacted.
SC11: Lavatory Service Operation	7/27/2011	Daily Log	Report that sewer is backing up at gate.	Authority plumber advised and clean up contractor contacted.
SC11: Lavatory Service Operation	8/31/2011	Daily Log	Lavatory spill of 7 - 10 gallons at gate during service to aircraft. No storm drains affected.	Authority clean up contractor notified.
SC11: Lavatory Service Operation	9/15/2011	Daily Log	Sewer overflowing at gate.	Authority plumber and maintenance staff responded and clean up contractor notified.
SC11: Lavatory Service Operation	9/16/2011	Daily Log	Sewage spill flowing on ramp under jet bridge.	Authority clean up contractor notified.
SC11: Lavatory Service Operation	9/21/2011	Quarterly Inspection	Staining observed around triturator.	Authority clean up contractor contacted.
SC11: Lavatory Service Operation	9/27/2011	Daily Log	Lavatory spill of 3/4 gallons between gates. No storm drains affected.	Cleaned with absorbent.
SC11: Lavatory Service Operation	12/8/2011	Quarterly Inspection	Tenant lavatory truck parked behind trash compactors was observed leaking.	Email was sent to tenant. Tenant had truck repaired to prevent leaks.
SC11: Lavatory Service Operation	5/1/2012	Ad Hoc Inspection	Lavatory truck at Gate 2 observed dripping fluid on ramp.	Email was sent to tenant. Tenant had truck repaired and briefed employees on proper procedures.
SC11: Lavatory Service Operation	6/2/2012	Daily Log	Lavatory spill discovered from aircraft at gate. No storm drains affected.	Tenant cleaned up and Gate 20 blue juice spill area scrubbed with scrubber.
SC11: Lavatory Service Operation	6/4/2012	Quarterly Inspection	Portable lavatory observed without secondary containment.	Email was sent to tenant. Tenant had secondary containment pan installed.
SC12: Outdoor Wash down/Sweeping	3/21/2012	Ad Hoc Inspection	Sediment accumulation within operational area.	Email was sent to tenant. Tenant had area cleaned.
SC13: Fire Fighting Foam Discharge	8/25/2011	Daily Log	AFFF inadvertently discharged from ARFF rescue unit.	Authority clean up contractor notified.
SC13: Fire Fighting Foam Discharge	6/12/2012	Daily Log	Foam observed on ramp after ARFF water test.	Authority Environmental Affairs, Maintenance and ARFF notified for cleanup.
SC16: Parking Lots	9/21/2011	Quarterly Inspection	Accumulation of cigarette butts on ground at outdoor break area in lot 10.	Tenant was contacted via telephone and email. Tenant had area cleaned.
SC18: Housekeeping	9/13/2011	Ad Hoc Inspection	Absorbent material spill under equipment at Gate 10.	Email sent to tenant. Tenant swept area.
SC18: Housekeeping	10/12/2011	Ad Hoc Inspection	FOD and absorbent material accumulation observed between Gates 26 and 28.	Email was sent to the tenant. Tenant had area swept.
SC18: Housekeeping	10/30/2011	Daily Log	Leaking bottle of fluid fell from tug near GS1.	Harbor Police and AirOps notified.

FY11-12 IDDE Report Log

Activity Type	Date	ID Source	Compliance Issue	Resolution Method
SC18: Housekeeping	11/8/2011	Ad Hoc Inspection	Accumulation of construction debris near Gate 9.	Email sent to tenant. Project was completed, and area was cleaned.
SC18: Housekeeping	11/8/2011	Ad Hoc Inspection	Absorbent material spill near storm drain.	Work order submitted. Area was swept.
SC18: Housekeeping	12/6/2011	Ad Hoc Inspection	Absorbent material spill observed under stairs near Gate 33.	Email sent to tenant. Tenant had area swept.
SC18: Housekeeping	12/6/2011	Ad Hoc Inspection	Absorbent material spill observed near Gate 39.	Email sent to tenant. Tenant had area swept.
SC18: Housekeeping	12/9/2011	Quarterly Inspection	Absorbent material spill observed near Gate 37.	Email sent to tenant. Tenant had area cleaned.
SC18: Housekeeping	2/9/2012	Ad Hoc Inspection	Absorbent material spill observed near Gate 36.	Email was sent to tenant. Tenant had the area cleaned.
SC18: Housekeeping	3/8/2012	Annual Inspection	Damage to storm drain BMP observed.	Email sent to tenant. Ocean Blue installed new BMP in storm drain.
SC18: Housekeeping	3/9/2012	Annual Inspection	Trash accumulation observed in maintenance yard.	Email was sent to tenant. Area was cleaned.
SC18: Housekeeping	3/19/2012	Annual Inspection	Broken gravel bags observed in parking lot.	Email was sent to tenant. Tenant had area cleaned and broken gravel bags disposed of.
SC18: Housekeeping	3/21/2012	Ad Hoc Inspection	Debris accumulation within operational area.	Email was sent to tenant. Tenant had area cleaned.
SC18: Housekeeping	6/4/2012	Quarterly Inspection	Accumulation of trash observed behind blast fence.	Work order submitted. Area was cleaned.
SC18: Housekeeping	6/4/2012	Quarterly Inspection	Trash, sediment and broken glass accumulation observed in corporate yard.	Work order submitted. Area was cleaned.
SC18: Housekeeping	6/4/2012	Quarterly Inspection	Trash accumulation observed under processing area.	Email was sent to tenant. Tenant had area cleaned.
SC18: Housekeeping	6/4/2012	Quarterly Inspection	Trash accumulation behind office trailer.	Email was sent to tenant. Tenant had area cleaned.
SC18: Housekeeping	6/4/2012	Quarterly Inspection	Spilled absorbent material observed in operational area.	Email sent to tenant. Tenant had area cleaned.
SC18: Housekeeping	6/5/2012	Quarterly Inspection	Accumulation of trash observed in maintenance yard.	Email was sent to tenant. Tenant had area cleaned.
SC18: Housekeeping	6/5/2012	Quarterly Inspection	Hazardous material and waste storage area is unkempt and trash is overflowing.	Email was sent to tenant. Tenant cleaned area and emptied trash cans.
SC18: Housekeeping	6/5/2012	Quarterly Inspection	Grease bin area near Gate 11 is messy with evidence of spills.	Email was sent to tenant. Tenant had area power washed.
SC18: Housekeeping	6/5/2012	Quarterly Inspection	Pallet and an accumulation of debris were observed on ramp.	Email was sent to tenant. Tenant removed pallet, and had area cleaned.
SC18: Housekeeping	6/5/2012	Quarterly Inspection	Trash accumulation observed in tenant operational area.	Email was sent to tenant. Tenant had area cleaned.
SR01: Spill Prevention, Control & Clean Up	9/13/2011	Ad Hoc Inspection	Grease spill observed on ramp between Gates 10 and 11.	Email sent to tenant. Spill was cleaned with absorbent.

FY11-12 IDDE Report Log

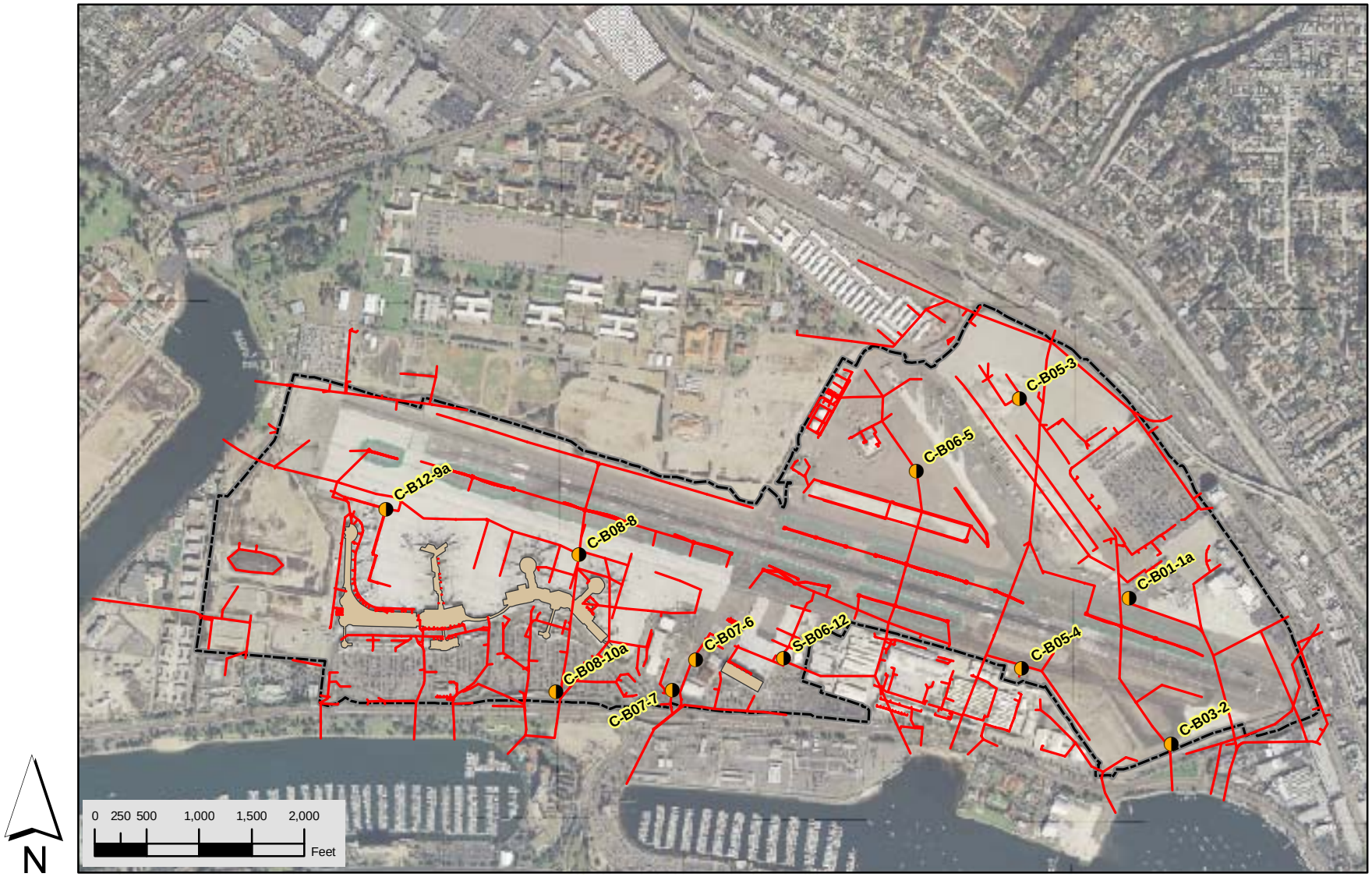
Activity Type	Date	ID Source	Compliance Issue	Resolution Method
SR01: Spill Prevention, Control & Clean Up	9/21/2011	Quarterly Inspection	Fresh oily staining on ramp at Gate 26.	Tenant was contacted via telephone. Area was cleaned by tenant.
SR01: Spill Prevention, Control & Clean Up	12/8/2011	Quarterly Inspection	Fresh oily staining observed along the lead in line at Gate 2.	Email was sent to tenant. Tenant confirmed that staining was deicing fluid, and that area is cleaned daily.
SR01: Spill Prevention, Control & Clean Up	12/8/2011	Quarterly Inspection	Trays of absorbent material left outdoors at runway lighting vault area.	Work order submitted. Material was properly disposed of.
SR01: Spill Prevention, Control & Clean Up	12/9/2011	Quarterly Inspection	Staining observed in tenant parking area.	Email sent to tenant. Tenant had area cleaned.
SR01: Spill Prevention, Control & Clean Up	3/1/2012	Annual Inspection	Leaking water pipe observed in area.	Email sent to tenant. Tenant replaced leaking valve.
SR01: Spill Prevention, Control & Clean Up	3/8/2012	Ad Hoc Inspection	Absorbent material left on ramp after lavatory truck leak.	Email sent to tenant. Tenant swept area.
SR01: Spill Prevention, Control & Clean Up	3/8/2012	Annual Inspection	Fuel containers stored without secondary containment.	Email was sent to tenant. Secondary containment pallet provided.
SR01: Spill Prevention, Control & Clean Up	3/19/2012	Annual Inspection	Oily sheen observed in various locations on ramp and near maintenance building.	Email was sent to tenant. Area was cleaned and equipment was checked for leaks.
SR01: Spill Prevention, Control & Clean Up	3/21/2012	Ad Hoc Inspection	Large stains observed in area.	Email was sent to tenant. Tenant had area cleaned.
SR01: Spill Prevention, Control & Clean Up	3/23/2012	Annual Inspection	Fresh oil stains observed near plane.	Email was sent to tenant. Equipment was inspected, and area was cleaned.
SR01: Spill Prevention, Control & Clean Up	3/27/2012	Annual Inspection	Fresh oil stain observed on lead in line at Gate 41.	Email was sent to tenant. Tenant had area cleaned.
SR01: Spill Prevention, Control & Clean Up	6/4/2012	Quarterly Inspection	Large area of staining in operational area.	Sent email to tenant. Tenant had area cleaned.
SR01: Spill Prevention, Control & Clean Up	6/4/2012	Quarterly Inspection	Area of staining observed under equipment on the ramp.	Email sent to tenant. Tenant had the area cleaned.

FY11-12 IDDE Report Log

Activity Type	Date	ID Source	Compliance Issue	Resolution Method
SR01: Spill Prevention, Control & Clean Up	6/5/2012	Quarterly Inspection	Oil stains on either side of lead in line at Gate 26.	Email was sent to tenant. Tenant had area cleaned.
SR01: Spill Prevention, Control & Clean Up	6/5/2012	Quarterly Inspection	Area of staining observed in maintenance yard.	Email was sent to tenant. Tenant had area cleaned.
SR01: Spill Prevention, Control & Clean Up	6/5/2012	Quarterly Inspection	Area of staining observed on ramp.	Email was sent to tenant. Tenant had area cleaned.
SR01: Spill Prevention, Control, and Clean-up	7/26/2011	Daily Log	Approximately 25 gallon fuel spill reported at terminal alley. Aircraft returned to gate and leaked additional 5 gallons.	ARFF, Maintenance and Harbor Police notified. No storm drains affected.
SR01: Spill Prevention, Control, and Clean-up	8/21/2011	Daily Log	Spill on ramp near gate.	Authority maintenance notified and clean up contractor contacted.
SR01: Spill Prevention, Control, and Clean-up	6/9/2012	Daily Log	Dry spill discovered at triturator.	Authority clean up contractor notified.
TC01: Structural Treatment Control BMPs	6/4/2012	Quarterly Inspection	Gravel bags of storm drain BMP observed to be broken.	Authority clean up contractor was contacted, and replaced BMP.

Appendix B

2011 - 2012
Sampling Locations Map



Storm Drain System and Sampling Locations

San Diego International Airport

Appendix C

2012 Dry Weather Monitoring Field Data Sheets, Trash Assessment Forms and Lab Reports

MONITORING EVENT 1

(5/8/2012)

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB01-1a	**Latitude**	(e.g., 33.41174) 32.73283	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Landmark	**Longitude**	(e.g., -117.35213) -117.17764		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	5/8/2012	**TB Page**	1288 H1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0809	**Observer**	KG, AM		**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 ☐ None

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

ATMOSPHERIC CONDITIONS

Weather ☐ Sunny ☐ Partly Cloudy ☐ Overcast x 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	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	x None	☐ Sediment/Gravel	☐ Fine Particulates	☐ Stains	☐ Oily Deposits	☐ Other
Vegetation	x None	☐ Limited	☐ Normal	☐ Excessive		☐ Other
Biology	x None	☐ Insects ☐ Algae	☐ Fish ☐ Snails	☐ Mussels/ Barnacles	☐ Insect/ Algae	☐ Insect/ Snail ☐ Other

Water Flow ☐ Flowing x Ponded ☐ Dry ☐ Tidal

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

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

Photo Taken Yes x No **Photo**

Field Screening Samples Collected? x Yes ☐ No

Water Temp (°C)	20	NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)	8	TURB (NTU)	21	COND (mS/cm)	53.5	MBAS (mg/L)	

Analytical Lab Samples Collected? ☐ Yes x No

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

COMMENTS: This site (C-B01-1a) was an alternative used to replace C-B01-1, due to reconfiguration of the storm drains in the Taxiway Charlie area. Confirmed seawater

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB03-2	**Latitude**	(e.g., 33.41174) 32.72864	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Blast fence	**Longitude**	(e.g., -117.35213) -117.17843		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	5/8/2012	**TB Page**	1288 J1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0817	**Observer**	KG, AM		**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 ☐ None

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

ATMOSPHERIC CONDITIONS

Weather ☐ Sunny ☐ Partly Cloudy ☐ Overcast x 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 x None ☐ Sediment/Gravel ☐ Fine Particulates ☐ Stains ☐ Oily Deposits ☐ Other

Vegetation x None ☐ Limited ☐ Normal ☐ Excessive ☐ Other

Biology x None ☐ Insects ☐ Algae ☐ Fish ☐ Snails ☐ Mussels/ Barnacles ☐ Insect/ Algae ☐ Insect/ Snail ☐ Other

Water Flow ☐ Flowing x Ponded ☐ Dry x 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 ☐ Yes x No **Photo #** _____

Field Screening Samples Collected? x Yes ☐ No

Water Temp (°C)	20	NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)	8	TURB (NTU)	15.9	COND (mS/cm)	37	MBAS (mg/L)	

Analytical Lab Samples Collected? ☐Yes x No

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

COMMENTS: **Confirmed seawater**

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB05-3	**Latitude**	(e.g., 33.41174) 32.73782	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Rental car storage area	**Longitude**	(e.g., -117.35213) -117.18311		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	5/8/2012	**TB Page**	1268 H7		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0755	**Observer**	KG, AM		**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 ☐ None

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

ATMOSPHERIC CONDITIONS

Weather ☐ Sunny ☐ Partly Cloudy ☐ Overcast x 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: NA

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 ☐ Fish ☐ Snails ☐ Mussels/ Barnacles ☐ Insect/ Algae ☐ Insect/ Snail ☐ Other

Water Flow ☐ Flowing ☐ Ponded x Dry ☐ Tidal

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

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

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

Field Screening Samples Collected? ☐ Yes x No

Water Temp (°C)		NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)		TURB (NTU)		COND (mS/cm)		MBAS (mg/L)	

Analytical Lab Samples Collected? ☐ Yes x No

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

COMMENTS: **No evidence of water,**

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB05-4	**Latitude**	(e.g., 33.41174) 32.73063	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Generator Storage Area	**Longitude**	(e.g., -117.35213) -117.18301		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	5/8/2012	**TB Page**	1288 G1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0826	**Observer**	KG, AM		**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 ☐ None

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

ATMOSPHERIC CONDITIONS

Weather ☐ Sunny ☐ Partly Cloudy ☐Overcast x 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	☐ Sediment/Gravel	x Fine Particulates	☐ Stains	☐ Oily Deposits	☐ Other
Vegetation	x None	☐ Limited	☐ Normal	☐ Excessive		☐ Other
Biology	x None	☐ Insects ☐ Algae	☐ Fish ☐ Snails	☐ Mussels/ Barnacles	☐ Insect/ Algae	☐ Insect/ Snail ☐ Other

Water Flow ☐ Flowing ☐ Ponded ☐ Dry x Tidal

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

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

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

Field Screening Samples Collected? ☐Yes x No

Water Temp (°C)	19.4	NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)	7.89	TURB (NTU)	59	COND (mS/cm)	33.5	MBAS (mg/L)	

Analytical Lab Samples Collected? ☐ Yes x No

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

COMMENTS: **Seawater confirmed**

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB06-5	**Latitude**	(e.g., 33.41174) 32.73584	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Air Traffic Control Tower	**Longitude**	(e.g., -117.35213) -117.18637		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	5/8/2012	**TB Page**	1268 G7		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0738	**Observer**	KG, AM		**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 ☐ None

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

ATMOSPHERIC CONDITIONS

Weather ☐ Sunny ☐ Partly Cloudy ☐ Overcast x 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	☐ Sediment/Gravel	x Fine Particulates	☐ Stains	☐ Oily Deposits	☐ Other
Vegetation	x None	☐ Limited	☐ Normal	☐ Excessive		☐ Other
Biology	x None	☐ Insects ☐ Algae	☐ Fish ☐ Snails	☐ Mussels/ Barnacles	☐ Insect/ Algae	☐ Insect/ Snail ☐ Other

Water Flow ☐ Flowing x Ponded ☐ Dry x 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 ☐ Yes x No **Photo #** _____

Field Screening Samples Collected? x Yes ☐ No

Water Temp (°C)	20	NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)	7.98	TURB (NTU)	4	COND (mS/cm)	51	MBAS (mg/L)	

Analytical Lab Samples Collected? ☐ Yes x No

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

COMMENTS: **confirmed seawater**

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB07-6	**Latitude**	(e.g., 33.41174) 32.73085	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Oil water separator At American	**Longitude**	(e.g., -117.35213) -117.19323		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	5/8/2012	**TB Page**	1288 F1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0638	**Observer**	KG, AM		**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 ☐ None

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

ATMOSPHERIC CONDITIONS

Weather ☐ Sunny ☐ Partly Cloudy ☐ Overcast x 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	x Other	**Foul**
Color	x None	☐ Yellow	☐ Brown	☐ White	☐ Gray	☐ Other	
Clarity	☐Clear		☐ Slightly Cloudy	☐ Opaque		x Other	**NA**
Floatables	x None	☐ Trash	☐ Bubbles/Foam	☐ Sheen	☐ Fecal Matter	☐ Other	
Deposits	☐ None	☐ Sediment/Gravel	x Fine Particulates	☐ Stains	x Oily Deposits	☐ Other	
Vegetation	x None	☐ Limited	☐ Normal	☐ Excessive		☐ Other	
Biology	x None	☐ Insects ☐ Algae	☐ Fish ☐ Snails	☐ Mussels/ Barnacles	☐ Insect/ Algae	☐ Insect/ Snail	☐ Other

Water Flow ☐ Flowing x Ponded ☐ Dry ☐ 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 ☐ Yes x No **Photo #** _____

Field Screening Samples Collected? x Yes ☐ No

Water Temp (°C)	21.93	NH_3-N (mg/L)	10+	NO_3-N (mg/L)	1	Ortho-PO_4 (mg/L)	**10+**
pH (pH units)	6.74	TURB (NTU)	43.7	COND (mS/cm)	.926	MBAS (mg/L)	**3+**

Analytical Lab Samples Collected? x Yes ☐ No

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

COMMENTS: **more water than usual, took lab samples**

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB07-7	**Latitude**	(e.g., 33.41174) 32.73000	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	West wing parking lot	**Longitude**	(e.g., -117.35213) -117.19390		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	5/8/2012	**TB Page**	1288 F1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0614	**Observer**	KG, AM		**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 ☐ None

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

ATMOSPHERIC CONDITIONS

Weather ☐ Sunny ☐ Partly Cloudy ☐ Overcast x 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	x None	☐Sediment/Gravel	☐ Fine Particulates	☐ Stains	☐ Oily Deposits	☐ Other
Vegetation	x None	☐ Limited	☐ Normal	☐ Excessive		☐ Other
Biology	x None	☐ Insects ☐ Algae	☐ Fish ☐ Snails	☐ Mussels/ Barnacles	☐ Insect/ Algae	☐ Insect/ Snail ☐ Other

Water Flow ☐ Flowing ☐ Ponded x Dry ☐ Tidal

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

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

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

Field Screening Samples Collected? ☐ Yes x No

Water Temp (°C)		NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)		TURB (NTU)		COND (mS/cm)		MBAS (mg/L)	

Analytical Lab Samples Collected? ☐ Yes x No

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

COMMENTS: Dry

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB08-8	**Latitude**	(e.g., 33.41174) 32.73368	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Southwest Slit Trench	**Longitude**	(e.g., -117.35213) -117.19673		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	5/8/2012	**TB Page**	1288 F1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0841	**Observer**	KG,AM		**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 ☐ None

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

ATMOSPHERIC CONDITIONS

Weather ☐ Sunny ☐ Partly Cloudy ☐Overcast x 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 ☐ Yellow ☐ Brown ☐ White x Gray ☐ Other

Clarity ☐ Clear x Slightly Cloudy ☐ Opaque ☐ Other

Floatables ☐ None x Trash ☐ Bubbles/Foam x 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 ☐ Fish ☐ Snails ☐ Mussels/ Barnacles ☐ Insect/ Algae ☐ Insect/ Snail ☐ Other

Water Flow ☐ Flowing x Ponded ☐ Dry ☐ 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: water from airplane servicing

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

Field Screening Samples Collected? ☐ Yes x No

Water Temp (°C)	20.85	NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)	8.45	TURB (NTU)	49.9	COND (mS/cm)	3.0	MBAS (mg/L)	

Analytical Lab Samples Collected? ☐ Yes x No

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

COMMENTS: **Ponded but not enough to sample**

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB08-10a (Alternate site for CB09-10)	**Latitude**	(e.g., 33.41174) 32.72993	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	T1 Parking Lot	**Longitude**	(e.g., -117.35213) -117.19748		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	5/8/2012	**TB Page**	1299 F1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0623	**Observer**	KG, AM		**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 ☐ None

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

ATMOSPHERIC CONDITIONS

Weather ☐ Sunny ☐ Partly Cloudy ☐ Overcast x 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	x None	☐ Sediment/Gravel	☐ Fine Particulates	☐ Stains	☐ Oily Deposits	☐ Other
Vegetation	x None	☐ Limited	☐ Normal	☐ Excessive		☐ Other
Biology	x None	☐ Insects ☐ Algae	☐ Fish ☐ Snails	☐ Mussels/ Barnacles	☐ Insect/ Algae ☐ Insect/ Snail	☐ Other

Water Flow ☐ Flowing ☐ Ponded x Dry ☐ Tidal

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

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

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

Field Screening Samples Collected? ☐ Yes x No

Water Temp (°C)		NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)		TURB (NTU)		COND (mS/cm)		MBAS (mg/L)	

Analytical Lab Samples Collected? ☐ Yes x No

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

COMMENTS: This site (C-B08-10a) was an alternative used to replace C-B09-10, which is not accessible due to construction. Site is dry.

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB12-9a (Alternate for CB12-9)	**Latitude**	(e.g., 33.41174) 32.73516	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	T2 West	**Longitude**	(e.g., -117.35213) -117.20444		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	5/8/12	**TB Page**	1268 E7		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0720	**Observer**	KG, AM		**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 ☐ None

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

ATMOSPHERIC CONDITIONS

Weather ☐ Sunny ☐ Partly Cloudy ☐Overcast x 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	x None	☐ Sediment/Gravel	☐ Fine Particulates	☐ Stains	☐ Oily Deposits	☐ Other
Vegetation	x None	☐ Limited	☐ Normal	☐ Excessive		☐ Other
Biology	x None	☐ Insects ☐ Algae	☐ Fish ☐ Snails	☐ Mussels/ Barnacles	☐ Insect/ Algae	☐ Insect/ Snail ☐ Other

Water Flow ☐ Flowing ☐ Ponded x Dry ☐ Tidal

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

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

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

Field Screening Samples Collected? ☐ Yes x No

Water Temp (°C)		NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)		TURB (NTU)		COND (mS/cm)		MBAS (mg/L)	

Analytical Lab Samples Collected? ☐ Yes x No

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

COMMENTS: This site (C-B12-9a) was an alternative used to replace C-B12-9, which is not accessible due to construction. Site is dry.

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

TRASH ASSESSMENT FORMS

2012 Trash Assessment Form

SITE ID: CB01-1a **DATE:** 5/8/2012

LOCATION: LANDMARK **TIME:** 0809

OBSERVER: KG, AM

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): NA

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:_____

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2012 Trash Assessment Form

SITE ID: CB03-2 **DATE:** 5/8/2012

LOCATION: BLAST FENCE **TIME:** 0817

OBSERVER: KG, AM

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): N/A

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:_____

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2012 Trash Assessment Form

SITE ID: CB05-3 **DATE:** 5/8/2012

LOCATION: RENTAL CAR PARKING LOT **TIME:** 0755

OBSERVER: KG, AM

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): N/A

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:_____

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2012 Trash Assessment Form

SITE ID: CB05-4 **DATE:** 5/8/2012

LOCATION: GENERATOR STORAGE YARD **TIME:** 0826

OBSERVER: KG, AM

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): N/A

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:_____

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2012 Trash Assessment Form

SITE ID: CB06-5 **DATE:** 5/8/2012

LOCATION: ATC TOWER **TIME:** 0738

OBSERVER: KG, AM

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): N/A

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:_____

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2012 Trash Assessment Form

SITE ID: CB07-6 **DATE:** 5/8/2012

LOCATION: AA Oil Water Seperator **TIME:** 0638

OBSERVER: KG, AM

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): N/A

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

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:_____

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2012 Trash Assessment Form

SITE ID: CB07-7 **DATE:** 5/8/2012

LOCATION: West Wing Parking Lot **TIME:** 06:14

OBSERVER: KG, AM

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): N/A

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:_____

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2012 Trash Assessment Form

SITE ID: _____CB08-8_____ **DATE:** _____5/8/2012_____

LOCATION: ___SW SLIT TRENCH___ **TIME:** __08:41_____

OBSERVER: _____KG, AM_____

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE):___N/A_____

ESTIMATED AREA OF ASSESSMENT L X W (FT): _____50x50_____

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:_____

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2012 Trash Assessment Form

SITE ID: CB08-10a (ALTERNATE SITE FOR CB09-10) DATE: _____5/8/2012_____
LOCATION: ___T1 PARKING _____ TIME: __06:23_____

OBSERVER: _____KG, AM_____

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE):_____NA_____

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:_____

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2012 Trash Assessment Form

SITE ID: _CB12-9a (ALTERNATE SITE FOR CB12-9) DATE: _____5/8/2012_____

LOCATION: ___ T2 DELTA GATE AREA___ TIME: __0720_____

OBSERVER: _____KG, AM_____

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE):_____N/A_____

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:_____

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LAB REPORT

16 May 2012

Amanda Archenhold
AMEC
9177 Sky Park Court Suite A
San Diego, CA 92123

RE:San Diego Airport

Work Order No.: 1205106

Attached are the results of the analyses for samples received by the laboratory on 05/08/12 10:22.

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.

AMEC	Project:	San Diego Airport	
9177 Sky Park Court Suite A	Project Number:	[none]	**Reported:**
San Diego CA, 92123	Project Manager:	Amanda Archenhold	05/16/12 16:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CB07-6-5-08-12	1205106-01	Liquid	05/08/12 09:10	05/08/12 10:22

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.

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	05/16/12 16:35

Microbiological Parameters by APHA Standard Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CB07-6-5-08-12 (1205106-01) Liquid	**Sampled: 05/08/12 09:10**		**Received: 05/08/12 10:22**						
Enterococcus	**42**	2.0	MPN/100 mL	1	B2E0817	05/08/12	05/08/12 12:30	SM 9230B	
Fecal Coliforms	<2	2.0	"	"	"	"	"	SM 9221E	
Total Coliforms	<2	2.0	"	"	"	"	"	SM 9221B	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	05/16/12 16:35

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CB07-6-5-08-12 (1205106-01) Liquid	**Sampled: 05/08/12 09:10**		**Received: 05/08/12 10:22**						
Total Hardness	**106**	0.400	mg/L	1	B2E1514	05/15/12	05/15/12 13:34	SM 2340 C	
Hexane Extractable Material (HEM)	ND	2.00	"	"	"	"	"	EPA 1664	

AMEC	Project:	San Diego Airport	
9177 Sky Park Court Suite A	Project Number:	[none]	**Reported:**
San Diego CA, 92123	Project Manager:	Amanda Archenhold	05/16/12 16:35

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CB07-6-5-08-12 (1205106-01) Liquid Sampled: 05/08/12 09:10 Received: 05/08/12 10:22									
Cadmium	ND	4.0	µg/L	1	B2E1003	05/10/12	05/11/12 09:17	EPA 200.8	
Copper	**13**	2.0	"	"	"	"	"	"	
Lead	ND	4.0	"	"	"	"	"	"	
Zinc	**27**	2.0	"	"	"	"	"	"	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	05/16/12 16:35

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 B2E1003 - EPA 200 Series										
Blank (B2E1003-BLK1)				Prepared: 05/10/12 Analyzed: 05/11/12						
Cadmium	ND	4.0	µg/L							
Copper	ND	2.0	"							
Lead	ND	4.0	"							
Zinc	ND	2.0	"							
LCS (B2E1003-BS1)				Prepared: 05/10/12 Analyzed: 05/11/12						
Cadmium	47.5	4.0	µg/L	50.0		95.0	85-115			
Copper	56.8	2.0	"	50.0		114	85-115			
Lead	49.4	4.0	"	50.0		98.8	85-115			
Zinc	53.0	2.0	"	50.0		106	85-115			
Matrix Spike (B2E1003-MS1)	**Source: 1205106-01**			Prepared: 05/10/12 Analyzed: 05/11/12						
Cadmium	46.4	4.0	µg/L	50.0	0.90	91.0	70-130			
Copper	65.9	2.0	"	50.0	13	106	70-130			
Lead	48.0	4.0	"	50.0	0.90	94.2	70-130			
Zinc	72.7	2.0	"	50.0	27	91.4	70-130			
Matrix Spike Dup (B2E1003-MSD1)	**Source: 1205106-01**			Prepared: 05/10/12 Analyzed: 05/11/12						
Cadmium	44.9	4.0	µg/L	50.0	0.90	88.0	70-130	3.29	30	
Copper	61.7	2.0	"	50.0	13	97.4	70-130	6.58	30	
Lead	46.3	4.0	"	50.0	0.90	90.8	70-130	3.61	30	
Zinc	69.8	2.0	"	50.0	27	85.6	70-130	4.07	30	

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

AMEC	Project:	San Diego Airport	
9177 Sky Park Court Suite A	Project Number:	[none]	**Reported:**
San Diego CA, 92123	Project Manager:	Amanda Archenhold	05/16/12 16:35

Notes and Definitions

_ND<2	<2
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

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

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

Attn: Nick Forsyth
Project: 1205106

Report Date: 05/23/12 12:31
Received Date: 05/11/12 10:00
Turnaround Time: Normal

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

P.O. #:

Dear Nick Forsyth :

Enclosed are the results of analyses for samples received 5/11/2012 with the Chain of Custody document. The samples were received in good condition, at 2.4 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab Sample ID: 2E11039-01 **Sample ID: CB07-6-5-08-12 (1205106-01)** **Matrix:** Water
Sampled by: Client **Sampled: 05/08/12 09:10**

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Chlorpyrifos	ND		0.50	ug/l	5	EPA 8141A	5/15/12	5/19/12 2:12	W2E0632	
Diazinon	ND		0.50	ug/l	5	EPA 8141A	5/15/12	5/19/12 2:12	W2E0632	
Surrogate: Triphenyl phosphate	*94 %*		*6-173*	%		Concentration: *1.89*				

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Certificate of Analysis

Quality Control Section

Organophosphorus Pesticides by EPA Method 8141A - Quality Control

Batch W2E0632 - EPA 8141A

Blank (W2E0632-BLK1) **Prepared: 05/15/12 Analyzed: 05/18/12 20:05**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Triphenyl phosphate		*0.761*		ug/l	*1.00*	*76*	*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					
Thionazin		ND		ug/l					
Dimethoate		ND		ug/l					
Malathion		ND		ug/l					
Ethyl parathion		ND		ug/l					

LCS (W2E0632-BS1) **Prepared: 05/15/12 Analyzed: 05/18/12 20:36**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Triphenyl phosphate		*0.761*		ug/l	*1.00*	*76*	*6-173*		
Azinphos methyl (Guthion)		0.783		ug/l	1.00	78	18-159		
Bolstar		0.713		ug/l	1.00	71	49-148		
Chlorpyrifos		0.811		ug/l	1.00	81	49-143		
Coumaphos		0.831		ug/l	1.00	83	42-161		
Demeton-o		0.500		ug/l	1.00	50	47-132		
Demeton-s		0.871		ug/l	1.00	87	45-147		
Diazinon		0.743		ug/l	1.00	74	46-136		
Dichlorvos		0.771		ug/l	1.00	77	29-164		
Disulfoton		0.830		ug/l	1.00	83	46-155		
Ethoprop		0.819		ug/l	1.00	82	54-141		
Fensulfothion		0.869		ug/l	1.00	87	54-167		
Fenthion		0.864		ug/l	1.00	86	50-143		

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Certificate of Analysis

Organophosphorus Pesticides by EPA Method 8141A - Quality Control

Batch W2E0632 - EPA 8141A

LCS (W2E0632-BS1) — **Prepared: 05/15/12 Analyzed: 05/18/12 20:36**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Merphos		0.723		ug/l	1.00	72	40-185		
Methyl parathion		0.848		ug/l	1.00	85	47-142		
Mevinphos		0.851		ug/l	1.00	85	43-145		
Naled		0.777		ug/l	1.00	78	16-177		
Phorate		0.844		ug/l	1.00	84	56-134		
Ronnel		0.809		ug/l	1.00	81	49-140		
Stirophos		0.793		ug/l	1.00	79	46-146		
Tokuthion (Prothiofos)		0.723		ug/l	1.00	72	52-139		
Trichloronate		0.744		ug/l	1.00	74	52-136		

Matrix Spike (W2E0632-MS1) — **Source: 2E08076-01** — **Prepared: 05/15/12 Analyzed: 05/18/12 21:06**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Triphenyl phosphate		*0.777*		ug/l	*1.00*	*78*	*6-173*		
Azinphos methyl (Guthion)	ND	0.877		ug/l	1.00	88	45-161		
Bolstar	ND	0.802		ug/l	1.00	80	35-171		
Chlorpyrifos	ND	0.772		ug/l	1.00	77	36-157		
Coumaphos	ND	0.951		ug/l	1.00	95	25-199		
Demeton-o	ND	0.677		ug/l	1.00	68	22-179		
Demeton-s	ND	0.958		ug/l	1.00	96	32-173		
Diazinon	ND	0.782		ug/l	1.00	78	33-172		
Dichlorvos	ND	0.877		ug/l	1.00	88	11-197		
Disulfoton	ND	1.09		ug/l	1.00	109	56-133		
Ethoprop	ND	0.851		ug/l	1.00	85	57-148		
Fensulfothion	ND	1.39		ug/l	1.00	139	32-236		
Fenthion	ND	0.927		ug/l	1.00	93	54-154		
Merphos	ND	0.866		ug/l	1.00	87	41-188		
Methyl parathion	ND	0.942		ug/l	1.00	94	43-169		
Mevinphos	ND	0.960		ug/l	1.00	96	18-186		
Naled	ND	1.04		ug/l	1.00	104	6-234		
Phorate	ND	0.895		ug/l	1.00	90	46-160		
Ronnel	ND	0.833		ug/l	1.00	83	30-166		
Stirophos	ND	1.12		ug/l	1.00	112	28-180		
Tokuthion (Prothiofos)	ND	0.776		ug/l	1.00	78	34-164		
Trichloronate	ND	0.810		ug/l	1.00	81	41-155		

Matrix Spike Dup (W2E0632-MSD1) — **Source: 2E08076-01** — **Prepared: 05/15/12 Analyzed: 05/18/12 21:37**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Triphenyl phosphate		*0.990*		ug/l	*1.00*	*99*	*6-173*		
Azinphos methyl (Guthion)	ND	1.08		ug/l	1.00	108	45-161	20	25
Bolstar	ND	0.962		ug/l	1.00	96	35-171	18	25
Chlorpyrifos	ND	0.912		ug/l	1.00	91	36-157	17	25
Coumaphos	ND	1.35	MS-05	ug/l	1.00	135	25-199	35	25
Demeton-o	ND	0.799		ug/l	1.00	80	22-179	17	25
Demeton-s	ND	1.11		ug/l	1.00	111	32-173	15	25

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www.wecklabs.com

Certificate of Analysis

Organophosphorus Pesticides by EPA Method 8141A - Quality Control

Batch W2E0632 - EPA 8141A

Matrix Spike Dup (W2E0632-MSD1) **Source: 2E08076-01** **Prepared: 05/15/12** **Analyzed: 05/18/12 21:37**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Diazinon	ND	0.940		ug/l	1.00	94	33-172	18	25
Dichlorvos	ND	0.895		ug/l	1.00	89	11-197	2	25
Disulfoton	ND	1.34	MS-05	ug/l	1.00	134	56-133	21	25
Ethoprop	ND	1.01		ug/l	1.00	101	57-148	17	25
Fensulfothion	ND	1.67		ug/l	1.00	167	32-236	18	25
Fenthion	ND	1.09		ug/l	1.00	109	54-154	16	25
Merphos	ND	1.02		ug/l	1.00	102	41-188	16	25
Methyl parathion	ND	1.13		ug/l	1.00	113	43-169	18	25
Mevinphos	ND	1.07		ug/l	1.00	107	18-186	11	25
Naled	ND	0.968		ug/l	1.00	97	6-234	7	25
Phorate	ND	1.08		ug/l	1.00	108	46-160	19	25
Ronnel	ND	0.999		ug/l	1.00	100	30-166	18	25
Stirophos	ND	1.18		ug/l	1.00	118	28-180	5	25
Tokuthion (Prothiofos)	ND	0.908		ug/l	1.00	91	34-164	16	25
Trichloronate	ND	0.943		ug/l	1.00	94	41-155	15	25

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

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.
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.
DL	Method Detection Limit
RL	Method Reporting Limit
MDA	Minimum Detectable Activity
NR	Not Reportable

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: 5/8/12 Page 1 of 1

Lab Project No.: 1205106

Client: AMEC
Client Address: 9177 Sky Park Ct
San Diego CA 92123
Client Tel. No.: 858 514 6468
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

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 Copper	Total Coliform	Fecal Coliform	Enterococcus	Hardness	Field Point Names/ Comments
CB07-6-5-08-12	01	5/8/12	0910	W	Ice	Various	5	X	X	X	X	X	X	X	X	

1 Sampler Signature: K. Green
Printed Name: Kris Green
Shipped Via:
(Carrier/Waybill No.)

2 Relinquished By: K. Green	Date: 5/8/12	Received By:	Date: 5/8/12
Company: AMEC	Time: 1000	Company: SA	Time: 1022
3 Relinquished By:	Date: 5/8/12	Received By:	Date: 5/8/12
Company: SA	Time: 1134	Company: Sierra	Time: 1134
4 Relinquished By:	Date	Received By:	Date:
Company:	Time:	Company:	Time:

Special Instructions:

(5) 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.

(5) 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 Room 2431

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

MONITORING EVENT 2

(6/6/2012)

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB01-1a	**Latitude**	(e.g., 33.41174) 32.73283	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Landmark	**Longitude**	(e.g., -117.35213) -117.17764		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	6/6/2012	**TB Page**	1288 H1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0750	**Observer**	KG, AM		**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 ☐ None

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

ATMOSPHERIC CONDITIONS

Weather ☐ Sunny x Partly Cloudy ☐ 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	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	x None	☐ Sediment/Gravel	☐ Fine Particulates	☐ Stains	☐ Oily Deposits	☐ Other
Vegetation	x None	☐ Limited	☐ Normal	☐ Excessive		☐ Other
Biology	x None	☐ Insects ☐ Algae	☐ Fish ☐ Snails	☐ Mussels/ Barnacles	☐ Insect/ Algae	☐ Insect/ Snail ☐ Other

Water Flow ☐ Flowing x Ponded ☐ Dry x 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 Yes x No **Photo**

Field Screening Samples Collected? x Yes ☐ No

Water Temp (°C)	19.6	NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)	8.07	TURB (NTU)		COND (mS/cm)	49.5	MBAS (mg/L)	

Analytical Lab Samples Collected? ☐ Yes x No

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

COMMENTS: This site (C-B01-1a) was an alternative used to replace C-B01-1, due to reconfiguration of the storm drains in the Taxiway Charlie area. Confirmed seawater

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB03-2	**Latitude**	(e.g., 33.41174) 32.72864	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Blast fence	**Longitude**	(e.g., -117.35213) -117.17843		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	6/6/2012	**TB Page**	1288 J1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0802	**Observer**	KG, AM		**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 ☐ None

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

ATMOSPHERIC CONDITIONS

Weather ☐ Sunny x Partly Cloudy ☐ 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	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 organic material
Deposits	x None	☐ Sediment/Gravel	☐ Fine Particulates	☐ Stains	☐ Oily Deposits	☐ Other
Vegetation	x None	☐ Limited	☐ Normal	☐ Excessive		☐ Other
Biology	x None	☐ Insects ☐ Algae	☐ Fish ☐ Snails	☐ Mussels/ Barnacles	☐ Insect/ Algae ☐ Insect/ Snail	☐ Other

Water Flow ☐ Flowing x Ponded ☐ Dry x 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 ☐ Yes x No **Photo #** _____

Field Screening Samples Collected? x Yes ☐ No

Water Temp (°C)	19.49	NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)	7.83	TURB (NTU)		COND (mS/cm)	45.7	MBAS (mg/L)	

Analytical Lab Samples Collected? ☐Yes x No

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

COMMENTS: **Confirmed seawater**

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB05-3	**Latitude**	(e.g., 33.41174) 32.73782	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Rental car storage area	**Longitude**	(e.g., -117.35213) -117.18311		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	6/6/2012	**TB Page**	1268 H7		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0829	**Observer**	KG, AM		**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 ☐ None

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

ATMOSPHERIC CONDITIONS

Weather ☐ Sunny x Partly Cloudy ☐ 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 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 x None ☐ Sediment/Gravel ☐ Fine Particulates ☐ Stains ☐ Oily Deposits ☐ Other

Vegetation x None ☐ Limited ☐ Normal ☐ Excessive ☐ Other

Biology x None ☐ Insects ☐ Algae ☐ Fish ☐ Snails ☐ Mussels/ Barnacles ☐ Insect/ Algae ☐ Insect/ Snail ☐ Other

Water Flow ☐ Flowing ☐ Ponded x Dry ☐ Tidal

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

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

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

Field Screening Samples Collected? ☐ Yes x No

Water Temp (°C)		NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)		TURB (NTU)		COND (mS/cm)		MBAS (mg/L)	

Analytical Lab Samples Collected? ☐ Yes x No

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

COMMENTS: **Dry,** _____

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB05-4	**Latitude**	(e.g., 33.41174) 32.73063	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Generator Storage Area	**Longitude**	(e.g., -117.35213) -117.18301		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	6/6/2012	**TB Page**	1288 G1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0809	**Observer**	KG, AM		**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 ☐ None

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

ATMOSPHERIC CONDITIONS

Weather ☐ Sunny x Partly Cloudy ☐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 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 x None ☐ Sediment/Gravel ☐ Fine Particulates ☐ Stains ☐ Oily Deposits ☐ Other

Vegetation x None ☐ Limited ☐ Normal ☐ Excessive ☐ Other

Biology x None ☐ Insects ☐ Algae ☐ Fish ☐ Snails ☐ Mussels/ Barnacles ☐ Insect/ Algae ☐ Insect/ Snail ☐ Other

Water Flow ☐ Flowing x Ponded ☐ Dry ☐ 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 ☐ Yes x No **Photo #** _____

Field Screening Samples Collected? x Yes ☐ No

Water Temp (°C)	19.1	NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)	7.7	TURB (NTU)		COND (mS/cm)	43.7	MBAS (mg/L)	

Analytical Lab Samples Collected? ☐ Yes x No

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

COMMENTS: **Seawater confirmed**

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB06-5	**Latitude**	(e.g., 33.41174) 32.73584	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Air Traffic Control Tower	**Longitude**	(e.g., -117.35213) -117.18637		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	6/6/2012	**TB Page**	1268 G7		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0730	**Observer**	KG, AM		**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 ☐ None

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

ATMOSPHERIC CONDITIONS

Weather ☐ Sunny x Partly Cloudy ☐ 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	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	x None	☐ Sediment/Gravel	☐ Fine Particulates	☐ Stains	☐ Oily Deposits	☐ Other
Vegetation	x None	☐ Limited	☐ Normal	☐ Excessive		☐ Other
Biology	x None	☐ Insects ☐ Algae	☐ Fish ☐ Snails	☐ Mussels/ Barnacles	☐ Insect/ Algae	☐ Insect/ Snail ☐ Other

Water Flow ☐ Flowing x Ponded ☐ Dry ☐ 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 ☐ Yes x No **Photo #** _____

Field Screening Samples Collected? x Yes ☐ No

Water Temp (°C)	18	NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)	7.69	TURB (NTU)		COND (mS/cm)	24.9	MBAS (mg/L)	

Analytical Lab Samples Collected? ☐ Yes x No

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

COMMENTS: **confirmed seawater**

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB07-6	**Latitude**	(e.g., 33.41174) 32.73085	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Oil water separator At American	**Longitude**	(e.g., -117.35213) -117.19323		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	6/6/2012	**TB Page**	1288 F1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0708	**Observer**	KG, AM		**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 ☐ None

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

ATMOSPHERIC CONDITIONS

Weather ☐ Sunny x Partly Cloudy ☐ 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	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	x None	☐ Sediment/Gravel	☐ Fine Particulates	☐ Stains	x Oily Deposits	☐ Other
Vegetation	x None	☐ Limited	☐ Normal	☐ Excessive		☐ Other
Biology	x None	☐ Insects ☐ Algae	☐ Fish ☐ Snails	☐ Mussels/ Barnacles	☐ Insect/ Algae ☐ Insect/ Snail	☐ Other

Water Flow ☐ Flowing ☐ Ponded x Dry ☐ Tidal

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

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

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

Field Screening Samples Collected? ☐ Yes x No

Water Temp (°C)		NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)		TURB (NTU)		COND (mS/cm)		MBAS (mg/L)	

Analytical Lab Samples Collected? x Yes ☐ No

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

COMMENTS: Dry

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB07-7	**Latitude**	(e.g., 33.41174) 32.73000	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	West wing parking lot	**Longitude**	(e.g., -117.35213) -117.19390		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	6/6/2012	**TB Page**	1288 F1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0612	**Observer**	KG, AM		**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 ☐ None

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

ATMOSPHERIC CONDITIONS

Weather ☐ Sunny x Partly Cloudy ☐ 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	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	x None	☐Sediment/Gravel	☐ Fine Particulates	☐ Stains	☐ Oily Deposits	☐ Other
Vegetation	x None	☐ Limited	☐ Normal	☐ Excessive		☐ Other
Biology	x None	☐ Insects ☐ Algae	☐ Fish ☐ Snails	☐ Mussels/ Barnacles	☐ Insect/ Algae	☐ Insect/ Snail ☐ Other

Water Flow ☐ Flowing ☐ Ponded x Dry ☐ Tidal

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

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

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

Field Screening Samples Collected? ☐ Yes x No

Water Temp (°C)		NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)		TURB (NTU)		COND (mS/cm)		MBAS (mg/L)	

Analytical Lab Samples Collected? ☐ Yes x No

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

COMMENTS: Dry

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB08-8	**Latitude**	(e.g., 33.41174) 32.73368	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Southwest Slit Trench	**Longitude**	(e.g., -117.35213) -117.19673		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	6/6/2012	**TB Page**	1288 F1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0721	**Observer**	KG,AM		**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 ☐ None

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

ATMOSPHERIC CONDITIONS

Weather ☐ Sunny x Partly Cloudy ☐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 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 x None ☐ Sediment/Gravel ☐ Fine Particulates ☐ Stains ☐ Oily Deposits ☐ Other

Vegetation x None ☐ Limited ☐ Normal ☐ Excessive ☐ Other

Biology x None ☐ Insects ☐ Algae ☐ Fish ☐ Snails ☐ Mussels/ Barnacles ☐ Insect/ Algae ☐ Insect/ Snail ☐ Other

Water Flow ☐ Flowing x Ponded ☐ Dry ☐ 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: water from airplane servicing

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

Field Screening Samples Collected? ☐ Yes x No

Water Temp (°C)		NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)		TURB (NTU)		COND (mS/cm)		MBAS (mg/L)	

Analytical Lab Samples Collected? ☐ Yes x No

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

COMMENTS: **Ponded but not enough to sample**

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB08-10a (Alternate site for CB09-10)	**Latitude**	(e.g., 33.41174) 32.72993	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	T1 Parking Lot	**Longitude**	(e.g., -117.35213) -117.19748		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	6/6/2012	**TB Page**	1299 F1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0655	**Observer**	KG, AM		**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 ☐ None

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

ATMOSPHERIC CONDITIONS

Weather ☐ Sunny x Partly Cloudy ☐ 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	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	x None	☐ Sediment/Gravel	☐ Fine Particulates	☐ Stains	☐ Oily Deposits	☐ Other
Vegetation	x None	☐ Limited	☐ Normal	☐ Excessive		☐ Other
Biology	x None	☐ Insects ☐ Algae	☐ Fish ☐ Snails	☐ Mussels/ Barnacles	☐ Insect/ Algae	☐ Insect/ Snail ☐ Other

Water Flow ☐ Flowing ☐ Ponded x Dry ☐ Tidal

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

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

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

Field Screening Samples Collected? ☐ Yes x No

Water Temp (°C)		NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)		TURB (NTU)		COND (mS/cm)		MBAS (mg/L)	

Analytical Lab Samples Collected? ☐ Yes x No

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

COMMENTS: This site (C-B08-10a) was an alternative used to replace C-B09-10, which is not accessible due to construction. Site is dry.

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB12-9a (Alternate for CB12-9)	**Latitude**	(e.g., 33.41174) 32.73516	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	T2 West	**Longitude**	(e.g., -117.35213) -117.20444		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	6/6/12	**TB Page**	1268 E7		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0715	**Observer**	KG, AM		**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 ☐ None

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

ATMOSPHERIC CONDITIONS

Weather ☐ Sunny x Partly Cloudy ☐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 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 x None ☐ Sediment/Gravel ☐ Fine Particulates ☐ Stains ☐ Oily Deposits ☐ Other

Vegetation x None ☐ Limited ☐ Normal ☐ Excessive ☐ Other

Biology x None ☐ Insects ☐ Algae ☐ Fish ☐ Snails ☐ Mussels/ Barnacles ☐ Insect/ Algae ☐ Insect/ Snail ☐ Other

Water Flow ☐ Flowing ☐ Ponded x Dry ☐ Tidal

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

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

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

Field Screening Samples Collected? ☐ Yes x No

Water Temp (°C)		NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)		TURB (NTU)		COND (mS/cm)		MBAS (mg/L)	

Analytical Lab Samples Collected? ☐ Yes x No

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

COMMENTS: This site (C-B12-9a) was an alternative used to replace C-B12-9, which is not accessible due to construction. Site is dry.

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

TRASH ASSESSMENT FORMS

2012 Trash Assessment Form

SITE ID: CB01-1a **DATE:** 6/6/2012

LOCATION: LANDMARK **TIME:** 0750

OBSERVER: KG, AM

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): 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:_____

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2012 Trash Assessment Form

SITE ID: CB03-2 **DATE:** 6/6/2012

LOCATION: BLAST FENCE **TIME:** 0802

OBSERVER: KG, AM

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): 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:_____

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2012 Trash Assessment Form

SITE ID: CB05-3 **DATE:** 6/6/2012

LOCATION: RENTAL CAR PARKING LOT **TIME:** 0829

OBSERVER: KG, AM

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): OPTIMAL

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

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:_____

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2012 Trash Assessment Form

SITE ID: CB05-4 **DATE:** 6/6/2012

LOCATION: GENERATOR STORAGE YARD **TIME:** 0809

OBSERVER: KG, AM

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): 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:_____

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2012 Trash Assessment Form

SITE ID: CB06-5 **DATE:** 6/6/2012

LOCATION: ATC TOWER **TIME:** 0730

OBSERVER: KG, AM

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): 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:_____

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2012 Trash Assessment Form

SITE ID: CB07-6 **DATE:** 6/6/2012

LOCATION: AA Oil Water Seperator **TIME:** 0708

OBSERVER: KG, AM

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): Suboptimal

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

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:_____

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2012 Trash Assessment Form

SITE ID: _____CB07-7_____ **DATE:** _____6/6/2012_____

LOCATION: West Wing Parking Lot **TIME:** ____06:12_____

OBSERVER: _____KG, AM_____

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): ____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:_____

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2012 Trash Assessment Form

SITE ID: _____CB08-8_____ **DATE:** _____6/6/2012_____

LOCATION: ___SW SLIT TRENCH___ **TIME:** __07:21_____

OBSERVER: _____KG, AM_____

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE):___SUBOPTIMAL_____

ESTIMATED AREA OF ASSESSMENT L X W (FT): _____50X50_____

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:_____

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2012 Trash Assessment Form

SITE ID: CB08-10a (ALTERNATE SITE FOR CB09-10) DATE: _____6/6/2012_____
LOCATION: ___T1 PARKING _____ TIME: __06:55_____

OBSERVER: _____KG, AM_____

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE):_____OPTIMAL_____

ESTIMATED AREA OF ASSESSMENT L X W (FT): _____50X50_____

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:_____

_____

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2012 Trash Assessment Form

SITE ID: _CB12-9a (ALTERNATE SITE FOR CB12-9) DATE: _____6/6/2012_____

LOCATION: ___DELTA GATE AREA___ TIME: __0715_____

OBSERVER: _____KG, AM_____

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE):_____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:_____

_____

_____

_____

_____

_____

_____

_____

MONITORING EVENT 3

(7/6/2012)

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB01-1a	**Latitude**	(e.g., 33.41174) 32.73283	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Landmark	**Longitude**	(e.g., -117.35213) -117.17764		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	7/6/2012	**TB Page**	1288 H1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0748	**Observer**	KG, AM		**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 ☐ None

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

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	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	☐ Fish ☐ Snails	☐ Mussels/ Barnacles	☐ Insect/ Algae	☐ Insect/ Snail ☐ Other

Water Flow ☐ Flowing x Ponded ☐ Dry x Tidal

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

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

Photo Taken Yes x No **Photo**

Field Screening Samples Collected? x Yes ☐ No

Water Temp (°C)	20.16	NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)	7.9	TURB (NTU)	209	COND (mS/cm)	37.9	MBAS (mg/L)	

Analytical Lab Samples Collected? ☐ Yes x No

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

COMMENTS: This site (C-B01-1a) was an alternative used to replace C-B01-1, due to reconfiguration of the storm drains in the Taxiway Charlie area. Confirmed seawater

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB03-2	**Latitude**	(e.g., 33.41174) 32.72864	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Blast fence	**Longitude**	(e.g., -117.35213) -117.17843		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	7/6/2012	**TB Page**	1288 J1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0740	**Observer**	KG, AM		**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 ☐ None

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

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 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 organic material

Deposits ☐ None ☐ Sediment/Gravel x Fine Particulates ☐ Stains ☐ Oily Deposits ☐ Other

Vegetation x None ☐ Limited ☐ Normal ☐ Excessive ☐ Other

Biology x None ☐ Insects ☐ Algae ☐ Fish ☐ Snails ☐ Mussels/ Barnacles ☐ Insect/ Algae ☐ Insect/ Snail ☐ Other

Water Flow ☐ Flowing x Ponded ☐ Dry x 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 ☐ Yes x No **Photo #** _____

Field Screening Samples Collected? x Yes ☐ No

Water Temp (°C)	19.28	NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)	7.77	TURB (NTU)	2.8	COND (mS/cm)	16.8	MBAS (mg/L)	

Analytical Lab Samples Collected? ☐Yes x No

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

COMMENTS: **Confirmed seawater**

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB05-3	**Latitude**	(e.g., 33.41174) 32.73782	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Rental car storage area	**Longitude**	(e.g., -117.35213) -117.18311		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	7/6/2012	**TB Page**	1268 H7		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0718	**Observer**	KG, AM		**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 ☐ None

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

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	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	x None	☐ Sediment/Gravel	☐ Fine Particulates	☐ Stains	☐ Oily Deposits	☐ Other
Vegetation	x None	☐ Limited	☐ Normal	☐ Excessive		☐ Other
Biology	x None	☐ Insects ☐ Algae	☐ Fish ☐ Snails	☐ Mussels/ Barnacles	☐ Insect/ Algae	☐ Insect/ Snail ☐ Other

Water Flow ☐ Flowing ☐ Ponded x Dry ☐ Tidal

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

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

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

Field Screening Samples Collected? ☐ Yes x No

Water Temp (°C)		NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)		TURB (NTU)		COND (mS/cm)		MBAS (mg/L)	

Analytical Lab Samples Collected? ☐ Yes x No

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

COMMENTS: **Dry,**

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB05-4	**Latitude**	(e.g., 33.41174) 32.73063	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Generator Storage Area	**Longitude**	(e.g., -117.35213) -117.18301		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	7/6/2012	**TB Page**	1288 G1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0734	**Observer**	KG, AM		**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 ☐ None

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

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	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	☐ Sediment/Gravel	x Fine Particulates	☐ Stains	☐ Oily Deposits	☐ Other
Vegetation	x None	☐ Limited	☐ Normal	☐ Excessive		☐ Other
Biology	x None	☐ Insects ☐ Algae	☐ Fish ☐ Snails	☐ Mussels/ Barnacles	☐ Insect/ Algae	☐ Insect/ Snail ☐ Other

Water Flow ☐ Flowing x Ponded ☐ Dry x Tidal

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

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

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

Field Screening Samples Collected? x Yes ☐ No

Water Temp (°C)	18.9	NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)	7.2	TURB (NTU)	68	COND (mS/cm)	33.6	MBAS (mg/L)	

Analytical Lab Samples Collected? ☐ Yes x No

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

COMMENTS: **Seawater confirmed**

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB06-5	**Latitude**	(e.g., 33.41174) 32.73584	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Air Traffic Control Tower	**Longitude**	(e.g., -117.35213) -117.18637		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	7/6/2012	**TB Page**	1268 G7		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0656	**Observer**	KG, AM		**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 ☐ None

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

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	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	x None	☐ Sediment/Gravel	☐ Fine Particulates	☐ Stains	☐ Oily Deposits	☐ Other
Vegetation	x None	☐ Limited	☐ Normal	☐ Excessive		☐ Other
Biology	x None	☐ Insects ☐ Algae	☐ Fish ☐ Snails	☐ Mussels/ Barnacles	☐ Insect/ Algae	☐ Insect/ Snail ☐ Other

Water Flow ☐ Flowing x Ponded ☐ Dry x 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 ☐ Yes x No **Photo #** _____

Field Screening Samples Collected? x Yes ☐ No

Water Temp (°C)	20.2	NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)	8.2	TURB (NTU)		COND (mS/cm)	51.7	MBAS (mg/L)	

Analytical Lab Samples Collected? ☐ Yes x No

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

COMMENTS: **confirmed seawater**

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB07-6	**Latitude**	(e.g., 33.41174) 32.73085	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Oil water separator At American	**Longitude**	(e.g., -117.35213) -117.19323		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	7/6/2012	**TB Page**	1288 F1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0624	**Observer**	KG, AM		**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 ☐ None

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

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	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	x None	☐ Sediment/Gravel	x Fine Particulates	☐ Stains	x Oily Deposits	☐ Other
Vegetation	x None	☐ Limited	☐ Normal	☐ Excessive		☐ Other
Biology	x None	☐ Insects ☐ Algae	☐ Fish ☐ Snails	☐ Mussels/ Barnacles	☐ Insect/ Algae	☐ Insect/ Snail ☐ Other

Water Flow ☐ Flowing ☐ Ponded x Dry ☐ Tidal

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

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

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

Field Screening Samples Collected? ☐ Yes x No

Water Temp (°C)		NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)		TURB (NTU)		COND (mS/cm)		MBAS (mg/L)	

Analytical Lab Samples Collected? ☐ Yes x No

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

COMMENTS: **Dry**

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB07-7	**Latitude**	(e.g., 33.41174) 32.73000	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	West wing parking lot	**Longitude**	(e.g., -117.35213) -117.19390		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	7/6/2012	**TB Page**	1288 F1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0600	**Observer**	KG, AM		**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 ☐ None

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

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	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	x None	☐Sediment/Gravel	☐ Fine Particulates	☐ Stains	☐ Oily Deposits	☐ Other
Vegetation	x None	☐ Limited	☐ Normal	☐ Excessive		☐ Other
Biology	x None	☐ Insects ☐ Algae	☐ Fish ☐ Snails	☐ Mussels/ Barnacles	☐ Insect/ Algae	☐ Insect/ Snail ☐ Other

Water Flow ☐ Flowing ☐ Ponded x Dry ☐ Tidal

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

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

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

Field Screening Samples Collected? ☐ Yes x No

Water Temp (°C)		NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)		TURB (NTU)		COND (mS/cm)		MBAS (mg/L)	

Analytical Lab Samples Collected? ☐ Yes x No

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

COMMENTS: Dry

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB08-8	**Latitude**	(e.g., 33.41174) 32.73368	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Southwest Slit Trench	**Longitude**	(e.g., -117.35213) -117.19673		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	7/6/2012	**TB Page**	1288 F1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0640	**Observer**	KG,AM		**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 ☐ None

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

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	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	x None	☐ Sediment/Gravel	☐ Fine Particulates	☐ Stains	☐ Oily Deposits	☐ Other
Vegetation	x None	☐ Limited	☐ Normal	☐ Excessive		☐ Other
Biology	x None	☐ Insects ☐ Algae	☐ Fish ☐ Snails	☐ Mussels/ Barnacles	☐ Insect/ Algae ☐ Insect/ Snail	☐ Other

Water Flow ☐ Flowing x Ponded ☐ Dry ☐ 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: water from airplane servicing

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

Field Screening Samples Collected? ☐ Yes x No

Water Temp (°C)		NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)		TURB (NTU)		COND (mS/cm)		MBAS (mg/L)	

Analytical Lab Samples Collected? ☐ Yes x No

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

COMMENTS: **Ponded but not enough to sample**

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB08-10a (Alternate site for CB09-10)	**Latitude**	(e.g., 33.41174) 32.72993	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	T1 Parking Lot	**Longitude**	(e.g., -117.35213) -117.19748		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	7/6/2012	**TB Page**	1299 F1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0611	**Observer**	KG, AM		**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 ☐ None

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

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	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	x None	☐ Sediment/Gravel	☐ Fine Particulates	☐ Stains	☐ Oily Deposits	☐ Other
Vegetation	x None	☐ Limited	☐ Normal	☐ Excessive		☐ Other
Biology	x None	☐ Insects ☐ Algae	☐ Fish ☐ Snails	☐ Mussels/ Barnacles	☐ Insect/ Algae	☐ Insect/ Snail ☐ Other

Water Flow ☐ Flowing ☐ Ponded x Dry ☐ Tidal

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

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

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

Field Screening Samples Collected? ☐ Yes x No

Water Temp (°C)		NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)		TURB (NTU)		COND (mS/cm)		MBAS (mg/L)	

Analytical Lab Samples Collected? ☐ Yes x No

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

COMMENTS: This site (C-B08-10a) was an alternative used to replace C-B09-10, which is not accessible due to construction. Site is dry.

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Field Screening** ☐ **Confirmation For** _____ ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x **MS4** ☐ **Receiving Water**

Site ID	CB12-9a (Alternate for CB12-9)	**Latitude**	(e.g., 33.41174) 32.73516	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	T2 West	**Longitude**	(e.g., -117.35213) -117.20444		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	7/6/12	**TB Page**	1268 E7		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0633	**Observer**	KG, AM		**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 ☐ None

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

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	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	x None	☐ Sediment/Gravel	☐ Fine Particulates	☐ Stains	☐ Oily Deposits	☐ Other
Vegetation	x None	☐ Limited	☐ Normal	☐ Excessive		☐ Other
Biology	x None	☐ Insects ☐ Algae	☐ Fish ☐ Snails	☐ Mussels/ Barnacles	☐ Insect/ Algae ☐ Insect/ Snail	☐ Other

Water Flow ☐ Flowing ☐ Ponded x Dry ☐ Tidal

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

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

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

Field Screening Samples Collected? ☐ Yes x No

Water Temp (°C)		NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)		TURB (NTU)		COND (mS/cm)		MBAS (mg/L)	

Analytical Lab Samples Collected? ☐ Yes x No

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

COMMENTS: This site (C-B12-9a) was an alternative used to replace C-B12-9, which is not accessible due to construction. Site is dry.

San Diego Stormwater Copermittees

Land Use Types for Dry Weather Monitoring

(Adopted by the Dry Weather Monitoring Workgroup, April 20, 2004)

1. **Residential**

   Residential (general)
   Single- and multi-family homes, mobile home parks, etc.

   Rural residential (For the County of San Diego and other appropriate Copermittees)
   Single family homes located in rural areas with lot sizes of approximately 1 to 10 acres. Rural residential estates may have small orchards, fields or small storage buildings associated with the residential dwelling unit, etc.

2. **Commercial**

   Offices, schools, shopping centers, auto dealerships, government/civic centers, cemeteries, churches, libraries, post offices, fire/police stations, military use, jails, prisons, border patrol holding stations, dormitories, hotels, motels, resorts, and casinos, etc.

3. **Agricultural**

   Orchards, vineyards, nurseries, greenhouses, flower fields, dairies, livestock, poultry, equine ranches, row crops and grains, pasture, fallow, etc.

4. **Industrial**

   Shipbuilding, airframe, aircraft manufacturing, industrial parks, manufacturing uses such as lumber, furniture, paper, rubber, stone, clay, and glass; auto repair services/recycling centers; warehousing, wholesale trade; mining, sand and gravel extraction, salt evaporation; junkyard, dumps/landfills; auto wrecking/dismantling and recycling centers, etc.

5. **Parks**

   Recreation areas and centers, neighborhood parks, wildlife and nature preserves, golf courses, accessible sandy areas along the coast or major water bodies allowing swimming and picnicking, etc.

6. **Open**

   Vacant and undeveloped lands, etc.

TRASH ASSESSMENT FORMS

2012 Trash Assessment Form

SITE ID: CB01-1a **DATE:** 7/6/2012

LOCATION: LANDMARK **TIME:** 0748

OBSERVER: KG, AM

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): 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:_____

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2012 Trash Assessment Form

SITE ID: CB03-2 **DATE:** 7/6/2012

LOCATION: BLAST FENCE **TIME:** 0740

OBSERVER: KG, AM

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): 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:_____

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2012 Trash Assessment Form

SITE ID: CB05-3 **DATE:** 7/6/2012

LOCATION: RENTAL CAR PARKING LOT **TIME:** 0718

OBSERVER: KG, AM

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): SUBOPTIMAL

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

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:_____

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2012 Trash Assessment Form

SITE ID: CB05-4 **DATE:** 7/6/2012

LOCATION: GENERATOR STORAGE YARD **TIME:** 0734

OBSERVER: KG, AM

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): 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:_____

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2012 Trash Assessment Form

SITE ID: CB06-5 **DATE:** 7/6/2012

LOCATION: ATC TOWER **TIME:** 0656

OBSERVER: KG, AM

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): 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:_____

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2012 Trash Assessment Form

SITE ID: CB07-6 **DATE:** 7/6/2012

LOCATION: AA Oil Water Seperator **TIME:** 0624

OBSERVER: KG, AM

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): Suboptimal

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

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:_____

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2012 Trash Assessment Form

SITE ID: CB07-7 **DATE:** 7/6/2012

LOCATION: West Wing Parking Lot **TIME:** 0600

OBSERVER: KG, AM

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): 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:_____

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2012 Trash Assessment Form

SITE ID: _____CB08-8_____ **DATE:** _____7/6/2012_____

LOCATION: ___SW SLIT TRENCH___ **TIME:** __0640_____

OBSERVER: _____KG, AM_____

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE):___SUBOPTIMAL_____

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:_____

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2012 Trash Assessment Form

SITE ID: CB08-10a (ALTERNATE SITE FOR CB09-10) DATE: _____7/6/2012_____
LOCATION: ___T1 PARKING _____ TIME: __0611_____

OBSERVER: _____KG, AM_____

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE):_____SUBOPTIMAL_____

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:_____

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2012 Trash Assessment Form

SITE ID: _CB12-9a (ALTERNATE SITE FOR CB12-9) DATE: _____7/6/2012_____

LOCATION: ___DELTA GATE AREA___ TIME: __0633_____

OBSERVER: _____KG, AM_____

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE):_____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:_____

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Appendix D

FY11-12 Wet Weather Sampling Results

STORM EVENT 1

(October 5, 2011)

Compliance Sites Analytical Results

Analyte	Analytical Procedure	Dilution	Units	Reporting Limit	Results									
					C-B01-1a 10-5-11	C-B03-2 10-5-11	C-B05-3 10-5-11	C-B05-4 10-5-11	C-B06-5 10-5-11	C-B07-6 10-5-11	C-B07-7 10-5-11	C-B08-8 10-5-11	C-B12-9a 10-5-11	C-B08-10a 10-5-11
Conventionals														
Ammonia as N	SM 4500-NH3	1	mg/l	0.100	0.35	2.75	0.50	1.80	2.25	1.35	1.95	0.15	0.6	5.40
BOD	EPA 405.1	1	mg/l	2.00	15.2	10.4	10.9	29.6	24.2	18.3	63.0	7.2	6.1	129.0
COD	EPA 410.4	1	mg/l	0.100	68.0	50.0	52.0	130	108	91.0	302	35.0	34	550
SC	EPA 120.1	1	µmhos/cm	0.100	77.6	132	107	182	187	111	494	123	110	468
MBAS	EPA 425.1	1	mg/l	0.0500	ND	0.140	ND	0.160	0.170	0.120	0.180	ND	ND	0.200
Oil & Grease	EPA 1664	1	mg/l	2.00	ND	ND	3.80	ND	ND	ND	ND	ND	ND	ND
pH	EPA 150.1	1	pH Units	0.100	7.06	7.14	8.35	7.01	6.54	6.67	6.47	7.25	7.09	6.45
Total Suspended Solids	EPA 160.2	1	mg/l	1.00	4.0	2.0	38.0	20.0	17.0	29.0	14.0	3.0	ND	22.0
Metals (Total)														
Aluminum	EPA 200.8	1,2	µg/L	50,100,125,250 ,500,2500	1300[e]	380[c]	6100[f]	1500[e]	770[d]	1600[e]	740[c]	89[a]	93[a]	1600[e]
Copper	EPA 200.8	1,2	µg/L	3.0,5.0,10,20	62[g]	350[h]	23[g]	400[j]	280[i]	160[g]	320[h]	38[g]	38[g]	270[j]
Iron	EPA 200.8	1,2	mg/l	0.050	0.17	0.19	0.11	0.18	0.16	0.26	0.380	0.089	0.17	0.17
Lead	EPA 200.8	1,2	µg/L	2.0	41	53	26	9.6	3.2	20	4.3	2.0	ND	8.5
Zinc	EPA 200.8	1,2	µg/L	6.0	1500	160	110	740	190	980	830	97	86	820
Metals														
Copper	EPA 200.8	1	µg/L	3.0,4.0,10	22[k]	340[l]	6.4[k]	390[m]	280[l]	110[k]	320[m]	30[k]	22[k]	230[m]
Zinc	EPA 200.8	1	µg/L	6.0,10,20	890[p]	150[n]	ND	630[o]	180[n]	830[o]	820[o]	58[n]	62[n]	810[o]
Total Petroleum Hydrocarbons (TPH)														
Diesel Range Organics (C10-C24)	EPA 8015B	1	mg/l	0.050	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Jet-A	EPA 8015B	1	mg/l	0.050	ND	ND	ND	0.12	0.14	0.85	0.22	ND	0.13	ND
Oil Range Organics (C22-C36)	EPA 8015B	1	mg/l	0.050	0.23	ND	0.13	0.17	0.14	1.00	0.44	0.10	0.24	0.55
PCBs*														
PCB-1016	EPA 608	1	µg/L	0.50	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS
PCB-1221	EPA 608	1	µg/L	0.50	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS
PCB-1232	EPA 608	1	µg/L	0.50	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS
PCB-1242	EPA 608	1	µg/L	0.50	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS
PCB-1248	EPA 608	1	µg/L	0.50	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS
PCB-1254	EPA 608	1	µg/L	0.50	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS
PCB-1260	EPA 608	1	µg/L	0.50	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS
Glycols														
Ethylene Glycol	EPA 8015B	2	mg/l	10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propelyne Glycol	EPA 8015B	2	mg/l	10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
For Aluminum: a Dilution = 2 and Reporting Limit = 50; b Dilution = 4 and Reporting Limit = 100; c Dilution = 5 and Reporting Limit = 120; d Dilution = 10 and Reporting Limit = 250;
e Dilution = 20 and Reporting Limit = 500; f Dilution = 100 and Reporting Limit = 2500.
For total Copper: g Dilution = 2 and Reporting Limit = 3.0; h Dilution = 5 and Reporting Limit = 5.0; i Dilution = 10 and Reporting Limit = 10; j Dilution = 20 and Reporting Limit = 20.
For dissolved Copper: k Dilution = 2 and Reporting Limit = 3.0; l Dilution = 4 and Reporting Limit = 4.0; m Dilution = 10 and Reporting Limit = 10.
For dissolved Zinc: n Dilution = 2 and Reporting Limit = 6.0; o Dilution = 10 and Reporting Limit = 10; p Dilution = 20 and Reporting Limit = 20.

* Analysis only performed for C-B05-3
ND = Non Detect
NS = Not
Sampled

BMP Effectiveness Sites Analytical and Particle Size Results for Site S-B06-12

Analyte	Analytical Procedure	Dilution	Units	Reporting Limit	Results S-B06-12 10-5-11
Conventionals					
BOD	EPA 405.1	1	mg/l	2.00	4.3
COD	EPA 410.4	1	mg/l	0.100	20.0
SC	EPA 120.1	1	µmhos/cm	0.100	85.1
Oil & Grease	EPA 1664	1	mg/l	2.00	ND
pH	EPA 150.1	1	pH Units	0.100	7.03
Total Suspended Solids	EPA 160.2	1	mg/l	1.00	1.0
Metals (Total)					
Aluminum	EPA 200.8	1	µg/L	100	220
Copper	EPA 200.8	1	µg/L	3.0	51
Iron	EPA 200.8	1	mg/l	0.050	0.26
Lead	EPA 200.8	1	µg/L	2.0	2.3
Zinc	EPA 200.8	1	µg/L	6.0	140
Metals (Dissolved)					
Copper	EPA 200.8	1	µg/L	3.0	18
Zinc	EPA 200.8	1	µg/L	6.0	57
Glycols					
Ethylene Glycol	EPA 8015B	2	mg/l	10.0	ND
Propelyne Glycol	EPA 8015B	2	mg/l	10.0	ND

Notes:
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-B06-12-10-5-11	N/A	150.830	125.161	108.091	90.454	67.810	52.587	28.924	11.563	7.201	5.159	2.931

STORM EVENT 2

(November 4, 2011)

Compliance Sites Analytical Results

Analyte	Analytical Procedure	Dilution	Units	Reporting Limit	Results											
					C-B01-1a 11-4-11	C-B03-2 11-4-11	C-B05-3 11-4-11	C-B05-4 11-4-11	C-B05-4 11-4-11- BL	C-B06-5 11-4-11	C-B07-6 11-4-11	C-B07-6 11-4-11-DUP	C-B07-7 11-4-11	C-B08-8 11-4-11	C-B12-9a 11-4-11	C-B08-10a 11-4-11
Conventionals																
Ammonia as N	SM 4500-NH3	1	mg/l	0.100	0.80	3.30	1.50	2.90	ND	2.80	2.70	2.75	1.10	2.00	2.65	2.95
BOD	EPA 405.1	1	mg/l	2.00	18.2	11.0	20.8	54.0	ND	22.4	14.8	14.1	36.5	71.8	53.6	40.4
COD	EPA 410.4	1	mg/l	0.100	73.0	42.0	75.0	200	ND	85	57.0	54.0	135	272.0	210	150
SC	EPA 120.1	1	µmhos/cm	0.100	187	184	317	330	2.35	156	141	138	187	582	441	190
MBAS	EPA 425.1	1	mg/l	0.0500	ND	0.250	0.150	0.210	ND	0.180	0.240	0.220	0.120	0.130	0.11	0.190
Oil & Grease	EPA 1664	1	mg/l	2.00	ND	ND	ND	210.00	ND	ND	ND	ND	ND	ND	ND	2.00
pH	EPA 150.1	1	pH Units	0.100	6.90	6.43	6.88	6.31	7.58	6.24	6.29	6.30	6.44	6.95	6.86	6.56
Total Suspended Solids	EPA 160.2	1	mg/l	1.00	3.0	4.0	16.0	19.0	ND	4.0	5.0	4.0	31.0	5.0	3.0	28.0
Metals (Total)																
Aluminum	EPA 200.8	2	µg/L	50	130	150	1000	300	ND	460	78	77	460	91	100	280
Copper	EPA 200.8	2	µg/L	2.0	17	530	27	600	ND	250	72	66	150	160	84	99
Iron	EPA 200.8	2	mg/l	0.005	0.1	0.15	0.83	0.36	ND	0.48	1.8	1.7	0.450	0.076	0.1	0.33
Lead	EPA 200.8	2	µg/L	2.0	ND	55	6.1	3.4	ND	2.1	3.6	3.4	4.9	3.2	ND	ND
Zinc	EPA 200.8	2	µg/L	4.0	290	210	72	1400	ND	200	450	430	550	590	210	370
Metals (Dissolved)																
Copper	EPA 200.8	2	µg/L	2.0	14	480	22	560	NS	230	40	39	130	130	58	84
Zinc	EPA 200.8	2	µg/L	3.0	250	190	20	1300	NS	180	290	310	460	520	180	330
Total Petroleum Hydrocarbons (TPH)																
Diesel Range Organics (C10-C24)	EPA 8015B	1	mg/l	0.050	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Jet-A	EPA 8015B	1	mg/l	0.050	ND	ND	ND	0.13	ND	ND	ND	ND	0.21	ND	ND	ND
Oil Range Organics (C22-C36)	EPA 8015B	1	mg/l	0.050	ND	ND	0.11	0.32	ND	ND	ND	ND	0.35	ND	ND	ND
PCBs*																
PCB-1016	EPA 608	1	µg/L	0.50	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCB-1221	EPA 608	1	µg/L	0.50	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCB-1232	EPA 608	1	µg/L	0.50	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCB-1242	EPA 608	1	µg/L	0.50	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCB-1248	EPA 608	1	µg/L	0.50	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCB-1254	EPA 608	1	µg/L	0.50	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCB-1260	EPA 608	1	µg/L	0.50	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS
Glycols																
Ethylene Glycol	EPA 8015B	2	mg/l	10.0	ND	ND	ND	ND	NS	ND	ND	NS	ND	ND	ND	ND
Propelyne Glycol	EPA 8015B	2	mg/l	10.0	ND	ND	ND	ND	NS	ND	ND	NS	ND	ND	ND	ND

Notes:
For Aluminum: a Dilution = 2 and Reporting Limit = 50; b Dilution = 4 and Reporting Limit = 100; c Dilution = 5 and Reporting Limit = 120; d Dilution = 10 and Reporting Limit = 250;
e Dilution = 20 and Reporting Limit = 500; f Dilution = 100 and Reporting Limit = 2500.
For total Copper: g Dilution = 2 and Reporting Limit = 3.0; h Dilution = 5 and Reporting Limit = 5.0; i Dilution = 10 and Reporting Limit = 10; j Dilution = 20 and Reporting Limit = 20.
For dissolved Copper: k Dilution = 2 and Reporting Limit = 3.0; l Dilution = 4 and Reporting Limit = 4.0; m Dilution = 10 and Reporting Limit = 10.
For dissolved Zinc: n Dilution = 2 and Reporting Limit = 6.0; o Dilution = 10 and Reporting Limit = 10; p Dilution = 20 and Reporting Limit = 20.

* Analysis only performed for C-B05-3
ND = Non Detect
NS = Not Sampled

BMP Effectiveness Sites Analytical and Particle Size Results for Site S-B06-12

Analyte	Analytical Procedure	Dilution	Units	Reporting Limit	Results S-B06-12 11-4-11
Conventionals					
BOD	EPA 405.1	1	mg/l	2.00	42.6
COD	EPA 410.4	1	mg/l	0.100	178.0
SC	EPA 120.1	1	µmhos/cm	0.100	87.2
Oil & Grease	EPA 1664	1	mg/l	2.00	ND
pH	EPA 150.1	1	pH Units	0.100	7.26
Total Suspended Solids	EPA 160.2	1	mg/l	1.00	ND
Metals (Total)					
Aluminum	EPA 200.8	1	µg/L	100	130
Copper	EPA 200.8	1	µg/L	3.0	20
Iron	EPA 200.8	1	mg/l	0.050	0.12
Lead	EPA 200.8	1	µg/L	2.0	ND
Zinc	EPA 200.8	1	µg/L	6.0	50
Metals (Dissolved)					
Copper	EPA 200.8	1	µg/L	3.0	9.2
Zinc	EPA 200.8	1	µg/L	6.0	25
Glycols					
Ethylene Glycol	EPA 8015B	2	mg/l	10.0	ND
Propelyne Glycol	EPA 8015B	2	mg/l	10.0	ND

Notes:
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-B06-12-11-4-11	22.145	441.057	249.749	145.536	66.249	28.862	22.145	17.526	11.793	8.479	6.052	3.529

STORM EVENT 3

(November 12, 2011)

BMP Effectiveness Sites Analytical and Particle Size Results for Site S-B06-12

Analyte	Analytical Procedure	Dilution	Units	Reporting Limit	Results S-B06-12 11-12-11
Conventionals					
BOD	EPA 405.1	1	mg/l	2.00	ND
COD	EPA 410.4	1	mg/l	0.100	ND
SC	EPA 120.1	1	µmhos/cm	0.100	50.6
Oil & Grease	EPA 1664	1	mg/l	2.00	ND
pH	EPA 150.1	1	pH Units	0.100	7.14
Total Suspended Solids	EPA 160.2	1	mg/l	1.00	ND
Metals (Total)					
Aluminum	EPA 200.8	1	µg/L	100	ND
Copper	EPA 200.8	1	µg/L	3.0	8.8
Iron	EPA 200.8	1	mg/l	0.050	1.80
Lead	EPA 200.8	1	µg/L	2.0	ND
Zinc	EPA 200.8	1	µg/L	6.0	8.6
Metals (Dissolved)					
Copper	EPA 200.8	1	µg/L	3.0	4.8
Zinc	EPA 200.8	1	µg/L	6.0	6.4
Glycols					
Ethylene Glycol	EPA 8015B	1	mg/l	200.0	ND

Notes:
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-B06-12-11-12-11	N/A	Below detection limits: insufficient concentration for analysis.										

STORM EVENT 4

(November 20, 2011)

BMP Effectiveness Sites Analytical and Particle Size Results for Site S-B06-12

Analyte	Analytical Procedure	Dilution	Units	Reporting Limit	Results	
					S-B06-12 11-20-11	S-B06-12 11-20-11-BL
Conventionals						
BOD	EPA 405.1	1	mg/l	2.00	2.4	ND
COD	EPA 410.4	1	mg/l	0.100	8.3	ND
SC	EPA 120.1	1	µmhos/cm	0.100	59.6	1.48
Oil & Grease	EPA 1664	1	mg/l	2.00	ND	ND
pH	EPA 150.1	1	pH Units	0.100	7.17	7.88
Total Suspended Solids	EPA 160.2	1	mg/l	1.00	ND	ND
Metals (Total)						
Aluminum	EPA 200.8	1	µg/L	100	160	ND
Copper	EPA 200.8	1	µg/L	3.0	11	ND
Iron	EPA 200.8	1	mg/l	0.050	0.11	ND
Lead	EPA 200.8	1	µg/L	2.0	ND	ND
Zinc	EPA 200.8	1	µg/L	6.0	35	11
Metals (Dissolved)						
Copper	EPA 200.8	1	µg/L	3.0	4.2	NS
Zinc	EPA 200.8	1	µg/L	6.0	12	NS
Glycols						
Ethylene Glycol	EPA 8015B	1	mg/l	200.0	ND	ND

Notes:
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-B06-12-11-20-11	N/A	Below detection limits: insufficient concentration for analysis.										

STORM EVENT 5

(December 12, 2011)

BMP Effectiveness Sites Analytical and Particle Size Results for Site S-B06-12

Analyte	Analytical Procedure	Dilution	Units	Reporting Limit	Results
					S-B06-12 12-12-11
Conventionals					
BOD	EPA 405.1	1	mg/l	2.00	ND
COD	EPA 410.4	1	mg/l	0.100	2.1
SC	EPA 120.1	1	µmhos/cm	0.100	69.5
Oil & Grease	EPA 1664	1	mg/l	2.00	ND
pH	EPA 150.1	1	pH Units	0.100	7.03
Total Suspended Solids	EPA 160.2	1	mg/l	1.00	ND
Metals (Total)					
Aluminum	EPA 200.8	1	µg/L	100	140
Copper	EPA 200.8	1	µg/L	3.0	17
Iron	EPA 200.8	1	mg/l	0.050	ND
Lead	EPA 200.8	1	µg/L	2.0	ND
Zinc	EPA 200.8	1	µg/L	6.0	40
Metals (Dissolved)					
Copper	EPA 200.8	1	µg/L	3.0	11
Zinc	EPA 200.8	1	µg/L	6.0	25
Glycols					
Ethylene Glycol	EPA 8015B	1	mg/l	200.0	ND

Notes:
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-B06-12-12-12-11	N/A	Below detection limits: insufficient concentration for analysis.										