

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:

Signature:

December 6, 2012

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Printed Name:

Paul Manasjan

Title:

Director, Environmental Affairs Department

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Fiscal Year 2011-2012 Annual IDDE Report for Municipal Stormwater Permit

THE OWN AUTO	REGIONAL AIRPORT AUTHORITY
Date:	June 27, 2003
То:	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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Municipal Stormwater Permit

Fiscal Year 2011-2012 Annual IDDE Report

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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 (RWOCB), 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.

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)		

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

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	V 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.

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
	10,114 light bulbs
Universal Waste (Fluorescent Lamps, Monitors, Alkali and/or Rechargeable	and
Batteries)	1,328 lbs of
	batteries

Table 3 - Hazardous Wastes Disposed of by the Authority During FY11-12

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 nonstormwater 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

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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.

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-	Londenouls	5/8/2012	Y	S	_	N
$1a^{(b)}$	Landmark Aviation	6/6/2012	Y	S	_	Ν
14	7 Wittion	7/6/2012	Y	S	—	Ν
	Dlast	5/8/2012	Y	S	—	Ν
C-B03-2	Blast Fence	6/6/2012	Y	S	—	Ν
	relice	7/6/2012	Y	S	_	N
	Rental	5/8/2012	N	N/A	_	N
C-B05-3	Car	6/6/2012	Ν	N/A	_	Ν
	Storage	7/6/2012	Ν	N/A	_	Ν
	Generator	5/8/2012	Y	S	—	Ν
C-B05-4	Storage	6/6/2012	Y	S	_	Ν
		7/6/2012	Y	S	_	Ν
	Air Traffic Control	5/8/2012	Y	S	_	Ν
C-B06-5		6/6/2012	Y	S	_	Ν
	Tower	7/6/2012	Y	S	_	Ν
C-B07-6	Oil Water Separator at American	5/8/2012	Y	F, L	NH ₃ -N, PO ₄ , MBAS	N
0 201 0		6/6/2012	Ν	N/A	-	Ν
	at American	7/6/2012	Ν	N/A	—	Ν
	West Win a	5/8/2012	Ν	N/A	-	Ν
C-B07-7	West Wing Parking Lot	6/6/2012	Ν	N/A	—	Ν
		7/6/2012	Ν	N/A	—	Ν
	Southwest Slit	5/8/2012	Ν	N/A	—	Ν
C-B08-8		6/6/2012	Ν	N/A	-	Ν
	Trench	7/6/2012	N	N/A	_	N
C-B12-	Delta	5/8/2012	N	N/A	_	N
9a ^(c)	Gate	6/6/2012	N	N/A	_	Ν
	Area	7/6/2012	N	N/A	_	N
C-B08-	T1	5/8/2012	N	N/A	_	N
10a ^(d)	Parking	6/6/2012	N	N/A	_	N
	Lot	7/6/2012	N N	N/A	-	Ν

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

(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.

Analyte Unit Copermit			C-B07-6
Analyte	Unit	Action Level	5/8/2012
Temperature	°C	Best Professional	21.93
	_	Judgment	
рН	pH unit	<6.5 or >9.0	8.27
Conductivity	mS/cm	Best Professional	0.926
		Judgment	
Turbidity	NTU	Best Professional	43.7
		Judgment	
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

Table 5 - Monitoring and Sampling Results

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.

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 Rain Monitored		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.

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
рН	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

Table 7 – FY11-12 Compliance Sampling Analytical Results Summary

(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.

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

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

(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).

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
рН	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

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

(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 Fiscal Year 2011-2012 Annual IDDE Report for Municipal Stormwater Permit





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.

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.

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.

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.

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.

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.

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.

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.

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.

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 Fiscal Year 2011-2012 Annual IDDE Report for Municipal Stormwater Permit








Appendix C

2012 Dry Weather Monitoring Field Data Sheets, Trash Assessment Forms and Lab Reports Fiscal Year 2011-2012 Annual IDDE Report for Municipal Stormwater Permit





MONITORING EVENT 1

(5/8/2012)



	x Field Screening Confirmation For IC/ID Follow-Up For				
GENERA	L SITE DESCRIPTION	(NAD	83 decimal degrees to 5th pl	ace) $x \mathbf{MS4} \square \mathbf{R}$	Receiving Water
Site ID	CB01-1a	Latitude	(e.g., 33.41174) 32.73283	₹ Hydrologic Unit	(e.g., 7.00) 908
Location	Landmark	Longitude	(e.g., -117.35213) -117.17764	Hydrologic UnitHydrologic AreaHydrologic Subarea	(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 (Check one		Commercial x I	ndustrial	ural 🗆 Parks 🗆	Open
	(Secondary) greater than 10%) □ Residential □	Commercial x I	ndustrial 🗆 Agricult	ural 🗆 Parks 🗆 Open	□ None
Conveyane (Check one	ce Nanhole v (Catch Basin 🛛 Ou	itlet Concrete Channel	□ Natural □ Earthen Creek Channel	□ Curb/Gutter
ATMOSP	HERIC CONDITIONS				
Weather	ž	Overcast x Fog			
Tide		Incoming 🗆 Hig	h 🗌 Outgoing	Tide Height:f	-
Last Rain Rainfall	$x > 72$ hours $\Box < 72$ hours x None $\Box < 0.1$ "	$\neg > 0.1?$			
	$\frac{x \text{ None}}{\text{CHARACTERISTICS}}$	□ > 0.1"			
Odor		□ Rotten Eggs		□ Sewage □ Ot	har
Color	x None	□ Rotten Eggs		\Box Gray \Box Ot	
Clarity	x Clear	□ Slightly Cloudy			
Floatables		□ Bubbles/Foam		□ Fecal Matter □ Oth	
Deposits	x None	□ Fine Particulates		□ Oily Deposits □ Oth	
Vegetation					
Biology	$\frac{x \text{ None}}{x \text{ None}} \square \text{ Insects} \square \text{ Algae}$			$\square Oth$	
			Barnacles Alg		
Water Flo	w 🗆 Flowing x Ponded	🗆 Dry 🛛 Tidal			
Does the s	torm drain flow reach the Receiving	Water?	🗆 Yes 🗆 No	x N/A	
Evidence of	of Overland Flow?	k No □ Irrigation	Runoff		
Photo Tak	en Yes x No Photo				
Field Scree	ning Samples Collected? x Yes	🗆 No			
Water Tem			NO3-N (mg/L)	Ortho-PO ₄ (mg/L)	
pH (pH units) 8 TURB (NTU)	21	COND (mS/cm) 53.5	5 MBAS (mg/L)	
Analytical	Lab Samples Collected?	s x No			
FLOW ES	TIMATION WORKSHEETS				
Flowing	g Creek or Box Culvert	Filling a Bottle or H	Known Volume	Flowing Pi	pe
Width	ft Volum	ne	mL	Diameter	ft
Depth	ft Time	to Fill	sec	Depth	ft
Velocity	ft/sec Flow		gpm	Velocity	ft/sec
Flow	gpm			Flow	gpm
COMMEN' Taxiway Ch	TS: This site (C-B01-1a) was an a arlie area. Confirmed seawater	lternative used to rep	place C-B01-1, due to	reconfiguration of the storm d	rains in the

San Diego Stormwater Copermittees Land Use Types for Dry Weather Monitoring (Adopted by the Dry Weather Manitoring Workgroup, April 20, 2004)

(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

	x Field Screening Confirmation For IC/ID Follow-Up For					
GENERAL	L SITE DESCRIPTION	(NAD	83 decimal degrees to 5	5th place)	x MS4	Receiving Water
Site ID	СВ03-2	Latitude	(e.g., 33.41174) 32.72864	Wa	Hydrologic Unit	(e.g., 7.00) 908
Location	Blast fence	Longitude	(e.g., -117.35213) -117.17843	Watershed	Hydrologic Area	(e.g., 7.10) 908.2
Date	5/8/2012	TB Page	1288 J1	led	Hydrologic Subare (Optional)	ea (e.g., 7.11) 908.21
Time	0817	Observer	KG, AM		scharge Area	
Land Use ((Check one		nmercial x I	ndustrial 🗆 Agri	icultural		
	(Secondary)		5			-
	\Box Residential \Box Con greater than 10%)	nmercial x I	ndustrial 🗆 Agri	icultural	\Box Parks \Box Open	□ None
Conveyand (Check one		Basin 🗆 Ou	utlet Concrete Channel		Natural □ EarthenreekChannel	Curb/Gutter
	HERIC CONDITIONS					
Weather	□ Sunny □ Partly Cloudy □ Ove					
Tide	\square N/A x Low x Inco	ming 🗆 Hig	h 🗌 Outgo	oing	Tide Height:	ft.
Last Rain	$x > 72$ hours $\Box < 72$ hours	1 22				
Rainfall	x None $\Box < 0.1$ "CHARACTERISTICS	1				
Odor		ttan Eaga	Chamical	□ C .		Other
		tten Eggs			<u> </u>	Other
Color					<i>.</i>	Other
Clarity		ghtly Cloudy		- F		Other
Floatables		bbles/Foam				Other
Deposits		e Particulates	□ Stains			Other
Vegetation		-		— T ·		Other
Biology	x None	Fish 🗆 Snail		□ Insect/ Algae	□ Insect/ □ C Snail	Other
Water Flo	w □ Flowing x Ponded □ Dry	y x Tidal	-			
Does the st	torm drain flow reach the Receiving Wate	r?	□ Yes x	No	N/A	
Evidence o	of Overland Flow?	□ Irrigation	Runoff 🗆 Other	•		
Photo Tak		<u>U</u>				Π
Field Scree	ning Samples Collected? x Yes 🛛 No					
Water Tem			NO3-N (mg/L)		Ortho-PO ₄ (mg/L	2)
pH (pH units)		.9		37	MBAS (mg/L)	,
Analytical	Lab Samples Collected?	x No				
FLOW ES	TIMATION WORKSHEETS					
Flowing	g Creek or Box Culvert Fillin	g a Bottle or I	Known Volume		Flowing	Pipe
Width	ft Volume		mL	[Diameter	ft
Depth	ft Time to Fil	1	sec		Depth	ft
Velocity	ft/sec Flow		gpm		Velocity	ft/sec
Flow	gpm				Flow	gpm
COMMEN	TS: <u>Confirmed seawater</u>					

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

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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

	x Field Screening Confirmation For				C/ID Follow-Up For			
GENERAL	L SITE DESCRIPTI	ION	(NAD 8	33 decimal degrees to 5th p	lace)	\mathbf{x} MS4 \Box Re	eceiving Water	
Site ID	CB05-3		Latitude	(e.g., 33.41174) 32.73782	≹ Hyd	rologic Unit	(e.g., 7.00) 908	
Location	Rental car storage an	rea	Longitude	(e.g., -117.35213) -117.18311	Vatershed Hyd	rologic Area	(e.g., 7.10) 908.2	
Date	5/8/2012		TB Page	1268 H7		rologic Subarea	(e.g., 7.11) 908.21	
Time	0755		Observer	KG, AM	Discharge (Optional)		•	
Land Use (Check one		□ Residential □ Com	mercial x II	ndustrial 🛛 Agricul	tural 🗆 Pa	•	Dpen	
·····	(Secondary)			advertrial \Box A suite 1	(rks 🗆 Open		
	greater than 10%)	□ Residential □ Com	mercial x I	ndustrial	tural 🗆 Pa ————————————————————————————————————			
(Check one		Manhole x Catch	Basin 🗆 Ou	ttlet Channel	Creek	Channel	Curb/Gutter	
ATMOSP	HERIC CONDITIO	NS						
Weather	□ Sunny □ 1	Partly Cloudy	cast x Fog					
Tide	K	Low x Incol		n 🗆 Outgoing	g Tide	Height:ft.		
Last Rain	$x > 72$ hours \Box		<u> </u>	<u> </u>				
Rainfall		< 0.1" □ > 0.1	22					
	CHARACTERISTI		-					
Odor	x None 🗆 M		ten Eggs		□ Sewage	□ Othe	۲	
Color		ellow 🗆 Bro			Gray			
Clarity	x Clear		ghtly Cloudy					
Floatables			obles/Foam		□ Fecal Ma			
Deposits			e Particulates		□ Oily Dep			
Vegetation		mited 🗆 Nor						
Biology			Fish		nsect/	Insect/ Othe		
Diology				Barnacles Alg		nail	21	
Water Flo	w	□ Ponded x Dry	🗆 Tidal					
Does the st	torm drain flow reac	ch the Receiving Water	·?	\Box Yes \Box No	x N/A			
Evidence of	of Overland Flow?	□ Yes x No	□ Irrigation	Runoff Other:				
Photo Tak	en 🗆 Yes x	No Photo #						
Field Scree	ning Samples Collect	ted? □ Yes x	No					
Water Tem		NH3-N (mg/L)	1	NO3-N (mg/L)		Ortho-PO ₄ (mg/L)		
pH (pH units)	TURB (NTU)		COND (mS/cm)		MBAS (mg/L)		
Analytical	Lab Samples Collec	eted?	x No					
FLOW ES	TIMATION WORK	KSHEETS						
Flowing	g Creek or Box Culve	ert Filling	y a Bottle or K	Known Volume		Flowing Pip	e	
Width	ft ft	Volume		mL	Diame		ft	
Depth	ft	Time to Fill		sec	Depth		ft	
Velocity	ft/s			gpm	Veloci	ty	ft/sec	
Flow	gpr	m			Flow		gpm	
COMMEN	TS: <u>No evidence</u>	e of water,						

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

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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

	x Field Screening Confirmation For IC/ID Follow-Up For					
GENERAI	L SITE DESCRIPTION	(NAD	83 decimal degrees to 3	5th place)	x MS4 🛛	Receiving Water
Site ID	CB05-4	Latitude	(e.g., 33.41174) 32.73063	Wa	Hydrologic Unit	(e.g., 7.00) 908
Location	Generator Storage Area	Longitude	(e.g., -117.35213) -117.18301	Watershed	Hydrologic Area	(e.g., 7.10) 908.2
Date	5/8/2012	TB Page	1288 G1		Hydrologic Subarea (Optional)	a (e.g., 7.11) 908.21
Time	0826	Observer	KG, AM		scharge Area otional)	
Land Use ((Check one		nmercial x I	ndustrial 🗆 Agri	icultural	□ Parks] Open
Land Use (Secondary) (Optional, greater than 10%)						
Conveyand (Check one	ce Vanhale v Catch	Basin 🗆 Ou	utlet Concrete Channel		Natural 🗆 Earthen reek Channel	Curb/Gutter
ATMOSP	HERIC CONDITIONS					
Weather	□ Sunny □ Partly Cloudy □Over					
Tide	\Box N/A x Low x Inco	ming 🗆 Hig	h 🗌 Outgo	oing	Tide Height:	ft.
Last Rain	$x > 72$ hours $\Box < 72$ hours					
Rainfall	x None $\Box < 0.1$ " $\Box > 0.$	1"				
	CHARACTERISTICS					
Odor		tten Eggs			ewage $\Box O$	
Color	x None \Box Yellow \Box Brow	own	□ White	$\Box G$	ray 🗌 O	ther
Clarity		ghtly Cloudy	Opaque		□ 0	ther
Floatables		bbles/Foam				Other
Deposits		e Particulates	□ Stains	□ O	ily Deposits $\Box O$	
Vegetation		•			□ 0	
Biology	x None \Box Insects \Box Algae \Box I	Fish 🗆 Snail		□ Insect/ Algae	□ Insect/ □ O Snail	ther
Water Flo	w 🗆 Flowing 🗆 Ponded 🗆 Dry	x Tidal				
Does the st	torm drain flow reach the Receiving Wate		□ Yes □	No >	x N/A	
	of Overland Flow? \Box Yes x No					
Photo Tak						
Field Scree	ning Samples Collected? □Yes x No					
Water Tem			NO3-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?	« No				
FLOW ES	TIMATION WORKSHEETS					
Flowing	g Creek or Box Culvert Fillin	g a Bottle or I	Known Volume		Flowing 1	Pipe
Width	ft Volume		mL		Diameter	Ft
Depth	ft Time to Fill		Sec		Depth	Ft
Velocity	ft/sec Flow		Gpm		Velocity	ft/sec
Flow	gpm				Flow	Gpm
COMMEN	ГS: Seawater confirmed					

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6. Open

x Field Screening Confirmation For IC/ID Follow-Up For							
GENERAL	L SITE DESCRIPTION	(NAD	83 decimal degrees to 5th	place)	x MS 4	l 🗆 Re	ceiving Water
Site ID	CB06-5	Latitude	(e.g., 33.41174) 32.73584	Wa	Hydrologic Uni	it	(e.g., 7.00) 908
Location	Air Traffic Control Tower	Longitude	(e.g., -117.35213) -117.18637	Watershed	Hydrologic Area		(e.g., 7.10) 908.2
Date	5/8/2012	TB Page	1268 G7	ıed	Hydrologic Sub (Optional)	(e.g., 7.11) 908.21	
Time	0738		harge Area ional)				
Land Use ((Check one		mercial x I	ndustrial 🗆 Agricu	ıltural	□ Parks	□ 0	pen
	(Secondary) greater than 10%) □ Residential □ Com	mercial x I	ndustrial 🗆 Agricu	ıltural	□ Parks □ O	pen	□ None
Conveyand (Check one	ce Vanhala v Catch	Basin □ Oı	utlet Concrete Channel		Natural 🗆 Earth eek Channe		Curb/Gutter
ATMOSP	HERIC CONDITIONS						
Weather Tide	□ Sunny □ Partly Cloudy □ Ove □ N/A x Low x Inco			ıg	Tide Height:	ft.	
Last Rain Rainfall	$x > 72$ hours $\Box < 72$ hours x None $\Box < 0.1$ " $\Box > 0.1$	1"					
	CHARACTERISTICS						
Odor		ten Eggs			<u> </u>	□ Othe	
Color	x None Yellow Bro			🗆 Gra	y	Othe	
Clarity		ghtly Cloudy				Othe	
Floatables		obles/Foam			al Matter	Othe	
Deposits		e Particulates	□ Stains		y Deposits		
Vegetation				T	— T	Othe	
Biology	x None	¹ 1sh □ Snail		Insect/ lgae	□ Insect/ Snail	□ Othe	r
Water Flo	w	x Tidal					
Does the st	torm drain flow reach the Receiving Water	r?	□ Yes x N	0	N/A		
Evidence o	of Overland Flow?	□ Irrigation	Runoff 🗆 Other:				
Photo Tak							
Field Scree	ning Samples Collected? x Yes						
Water Tem	p (°C) 20 NH3-N (mg/L)		NO3-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 ES	TIMATION WORKSHEETS						
	,	g a Bottle or I	Known Volume			ing Pip	e
Width	ft Volume		mL		Diameter		ft
Depth	ft Time to Fill		Sec		Depth		ft
Velocity	ft/sec Flow		Gpm		/elocity		ft/sec
Flow	gpm				Flow		gpm
COMMEN	ГS: <u>confirmed seawater</u>						

(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

	x Field Screening Confirmation For IC/ID Follow-Up For						
GENERAL	L SITE DESCRIPTION	(NAD	83 decimal degrees to	5th place)		x MS4 🗆 Re	ceiving Water
Site ID	CB07-6	Latitude	(e.g., 33.41174) 32.73085	Wa	Hydrolo	gic Unit	(e.g., 7.00) 908
Location	Oil water separator At American	Longitude	(e.g., -117.35213) -117.19323	Watershed	Hydrolo	gic Area	(e.g., 7.10) 908.2
Date	5/8/2012	TB Page	1288 F1		(Optional	/	(e.g., 7.11) 908.21
Time	0638	Observer	KG, AM		ischarge Are Optional)	ea	
Land Use (Primary) (Check one only)					pen		
Land Use (Secondary) (Optional, greater than 10%) Residential Commercial x Industrial Agricultural Parks Open None							
Conveyand (Check one	ce v Manhole Catch l	Basin □ Oı	utlet Concret Channel			Earthen Channel	Curb/Gutter
ATMOSP	HERIC CONDITIONS						
Weather Tide	□ Sunny □ Partly Cloudy □ Over □ N/A x Low x Inco	<u> </u>	••••••	oing	Tide Hei	ght: ft.	
Last Rain Rainfall	$x > 72$ hours $\Box < 72$ hours x None $\Box < 0.1$ " $\Box > 0.1$						
	CHARACTERISTICS	1					
Odor		tten Eggs		\Box S	Sewage	x Othe	r Foul
Color	x None 🗆 Yellow 🗆 Bro		□ White		Gray	🗆 Othe	
Clarity	Clear Slig	ghtly Cloudy	□ Opaque			x Othe	r <u>NA</u>
Floatables		bbles/Foam	□ Sheen	🗆 F	Fecal Matter	🗆 Othe	r
Deposits		e Particulates	□ Stains	x C	ily Deposits		
Vegetation						□ Othe	
Biology	x None \Box Insects \Box Algae \Box I	Fish □ Snail	s □ Mussels/ Barnacles	□ Insect Algae	t/ □ Inse Snail	$ect/ \square Othe$	r
Water Flo	w 🗆 Flowing x Ponded 🗖 Dry	🗆 Tidal					
Does the st	orm drain flow reach the Receiving Water	r?	□ Yes x	k No	□ N/A		
Evidence o	of Overland Flow?	□ Irrigation	Runoff 🗆 Other	r:			
Photo Tak							
Field Scree	ning Samples Collected? x Yes						
Water Tem	~ -	F	NO3-N (mg/L)	1	Orth	o-PO4 (mg/L)	10+
pH (pH units)	*	7	COND (mS/cm)	.926	MBA	AS (mg/L)	3+
Analytical	Lab Samples Collected? x Yes	No					
FLOW ES	TIMATION WORKSHEETS						
		g a Bottle or I	Known Volume			Flowing Pip	e
Width	ft Volume		mL		Diameter		Ft
Depth	ft Time to Fill		sec		Depth		Ft ft/sec
Velocity Flow	ft/sec Flow		gpm		Velocity Flow		ft/sec Gpm
1 10 11	51		I		110 W		-r
COMMEN	IS:	ook lab sampl	les				

(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

	x Field Screening Confirmation For IC/ID Follow-Up For							
GENERA	L SITE DESCRI	IPTION	(NAD S	33 decimal degrees to 5th	place)	x MS 4		ceiving Water
Site ID	CB07-7		Latitude	(e.g., 33.41174) 32.73000	Wa	Hydrologic Uni	t	(e.g., 7.00) 908
Location	West wing park	ing lot	Longitude	(e.g., -117.35213) -117.19390	Watershed	Hydrologic Are	a	(e.g., 7.10) 908.2
Date	5/8/2012		TB Page	1288 F1	hed	Hydrologic Sub (Optional)	area	(e.g., 7.11) 908.21
Time	0614		Observer	KG, AM		harge Area ional)		
Land Use (Check one	(Primary) e only)	□ Residential □ Com	nmercial x I	ndustrial 🗆 Agricu	ltural	□ Parks		pen
	(Secondary) greater than 10%) Com	nmercial x I	ndustrial 🗆 Agricu	ltural	\Box Parks \Box O	pen	□ None
Conveyan (Check one	ce	□ Manhole x Catch	Basin 🗆 Ou	itlet Concrete Channel	□ N Cre	Vatural □ Earth eek Channe		□ Curb/Gutter
		TIONS						
	HERIC CONDI							
Weather		□ Partly Cloudy □ Ove			_	Tido Haiab4	۵	
Tide Last Rain	$\Box N/A$ x > 72 hours	x Lowx Inco $\Box < 72$ hours	ming 🗆 Higl	n 🗆 Outgoin	g	Tide Height:	ft.	
Rainfall	x > 72 nours x None	$\square < 0.1" \qquad \square > 0.$	1"					
	CHARACTERI		1					
Odor			tten Eggs		🗆 Sew	vage	□ Other	r
Color		\Box Yellow \Box Bro			\Box Gra			
Clarity	x Clear		ghtly Cloudy			<u> </u>	Other	
Floatables	s x None		bbles/Foam		□ Fec	al Matter	□ Other	ſ
Deposits	x None	□Sediment/Gravel □ Fin	e Particulates	□ Stains	□ Oily	y Deposits	□ Other	r
Vegetation	n x None	□ Limited □ No	rmal	□ Excessive			□ Other	ſ
Biology	x None	□ Insects □ Algae □ I	Fish 🗆 Snail		Insect/ gae	□ Insect/ Snail	Other	ſ
Water Fle	ow 🗆 Flow	ing 🗆 Ponded x Dry	🗆 Tidal					
Does the s	torm drain flow	reach the Receiving Wate	r?	\Box Yes \Box N	o xl	N/A		
Evidence	of Overland Flov	v? 🗆 Yes x No	□ Irrigation	Runoff 🗆 Other				
Photo Tak		x No Photo #						
Field Scree	ning Samples Co	llected?						
Water Ten		NH3-N (mg/L)		NO3-N (mg/L)		Ortho-PO ₄ (1	mg/L)	
pH (pH units	3)	TURB (NTU)		COND (mS/cm)		MBAS (mg/L		
Analytical	l Lab Samples Co	ollected?	x No					
FLOW ES	STIMATION WO	ORKSHEETS						
Flowing	g Creek or Box (Culvert Fillin	g a Bottle or k	Known Volume		Flow	ing Pipe	e
Width		ft Volume		mL	Ι	Diameter	- - P	Ft
Depth		ft Time to Fill		sec	Ι	Depth		Ft
Velocity		ft/sec Flow		gpm		/elocity		ft/sec
Flow		gpm			F	low		Gpm
COMMEN	TS: Dry							

(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

	x Field Screening	□ Confirmation F	For	□ IC/	ID Follow-	Up For	
GENERAI	L SITE DESCRIPT	ION	(NAD 8	33 decimal degrees to 5th p	ace)	$\mathbf{x} \mathbf{MS4} \square \mathbf{Re}$	eceiving Water
Site ID	CB08-8		Latitude	(e.g., 33.41174) 32.73368	a Hy	drologic Unit	(e.g., 7.00) 908
Location	Southwest Slit Tren	nch	Longitude	(e.g., -117.35213) -117.19673	WatershedHyHyHy	drologic Area	(e.g., 7.10) 908.2
Date	5/8/2012		TB Page	1288 F1		drologic Subarea otional)	(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					Open	
	(Secondary) greater than 10%)	□ Residential □ Com	mercial x I	ndustrial 🗆 Agricult	ural 🗆 P	arks 🗆 Open	□ None
Conveyand (Check one	e	□ Manhole x Catch I	Basin 🗆 Ou	tlet Concrete Channel	□ Natur Creek	al 🗆 Earthen Channel	□ Curb/Gutter
ATMOSP	HERIC CONDITIO	DNS					
Weather Tide	\Box N/A x	Partly CloudyOverLowx Incor		n 🗌 Outgoing	Tid	e Height: ft.	
Last Rain Rainfall		< 72 hours $ < 0.1" \square > 0.1$	22				
	CHARACTERISTI						
Odor			ten Eggs		□ Sewage	□ Othe	er
Color		ellow □ Bro		□ White	x Gray		
Clarity	□ Clear	x Slig	htly Cloudy	Opaque		□ Othe	er
Floatables	□ None x Ti	rash 🛛 🗆 Buł	obles/Foam	x Sheen	□ Fecal M	atter 🗆 Othe	er
Deposits	\Box None \Box Set	ediment/Gravel x Fine	e Particulates	□ Stains	□ Oily De	posits 🛛 🗆 Othe	er
Vegetation	x None \Box L	imited 🗆 Nor	rmal	□ Excessive		🗆 Othe	er
Biology	x None \Box In	nsects 🗆 Algae 🗆 F	Fish 🗆 Snails	s □ Mussels/ □ In Barnacles Alg		□ Insect/ □ Othe Snail	er
Water Flo	w 🗆 Flowing	x Ponded 🗆 Dry	🗆 Tidal				
Does the st	torm drain flow rea	ch the Receiving Water	•?	□ Yes x No	□ N/A		
Evidence o	of Overland Flow?	x Yes 🗆 No	□ Irrigation	Runoff x Other: wa	ter from ai	rplane servicing	
Photo Tak	en 🗆 Yes x	x No Photo #					
	ning Samples Collec						
Water Tem		NH3-N (mg/L)		NO3-N (mg/L)		Ortho-PO ₄ (mg/L)	
pH (pH units)		TURB (NTU) 49.9	9	COND (mS/cm) 3.0		MBAS (mg/L)	
	Lab Samples Collect						
				nown Volume		Flowing Pi	20
Width	Creek or Box Culv		g a Doute or K	Known Volume	Diam	Flowing Pip	ft
Depth	ft			sec	Diani		ft
Velocity		/sec Flow		gpm	Veloc		ft/sec
Flow	gp	om			Flow		gpm
COMMEN	rs: <u>Ponded but</u>	t not enough to sample					

(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

	x Field Screening Confirmation For IC			/ID Follow-Up For			
GENERAL	L SITE DESCRIPTION	(NAD	83 decimal degrees to 5th pla	ace) x MS4 🗆 l	Receiving Water		
Site ID	CB08-10a (Alternate site for CB09-10)	Latitude	(e.g., 33.41174) 32.72993	¥ Hydrologic Unit	(e.g., 7.00) 908		
Location	T1 Parking Lot	Longitude	(e.g., -117.35213) -117.19748	WateHydrologic UnitHydrologic AreaHydrologic Subarea	(e.g., 7.10) 908.2		
Date	5/8/2012	TB Page	1299 F1	EHydrologic Subarea(Optional)	(e.g., 7.11) 908.21		
Time	0623	Observer	KG, AM	Discharge Area (Optional)			
Land Use (Check one		mmercial x I	ndustrial	ural 🗆 Parks 🗆	Open		
Land Use	(Secondary)	mmercial x I	ndustrial 🗆 Agricult	ural 🗆 Parks 🗆 Open	□ None		
Conveyane (Check one	ce v Manhale 🗆 Cata	h Basin 🗆 Oı	utlet Concrete Channel	□ Natural □ Earthen Creek Channel	Curb/Gutter		
ATMOSP	HERIC CONDITIONS						
Weather Tide Last Rain Rainfall		ercast x Fog oming		Tide Height:	ft		
RUNOFF Odor	CHARACTERISTICS x None	otton Eggs	Chamical		har		
Color	j	otten Eggs Town	□ Chemical □ White	□ Sewage □ Ot □ Gray □ Ot			
Clarity		ightly Cloudy					
Floatables		ubbles/Foam	••••••••••••••••••••••••••••••••••••••	□ Fecal Matter □ Ot			
Deposits		ne Particulates		\Box Oily Deposits \Box Ot			
Vegetation		ormal	□ Excessive	$\Box \operatorname{Ot}$	her		
Biology	x None	Fish	s □ Mussels/ □ In Barnacles Alg	sect/ □ Insect/ □ Ot ae Snail	her		
Water Flo	w 🗆 Flowing 🗆 Ponded x Dry	y 🗆 Tidal					
Does the st	orm drain flow reach the Receiving Wate	er?	□ Yes □ No	x N/A			
Evidence of	f Overland Flow?	□ Irrigation	Runoff Other:				
Photo Tak	en 🗆 Yes x No Photo #						
	ning Samples Collected?			1			
Water Tem	*		NO3-N (mg/L)	Ortho-PO ₄ (mg/L)			
pH (pH units)	TURB (NTU)		COND (mS/cm)	MBAS (mg/L)			
Analytical	Lab Samples Collected?	x No					
FLOW ES	TIMATION WORKSHEETS						
	,	ng a Bottle or I	Known Volume	Flowing P	'ipe		
Width	ft Volume		mL	Diameter	Ft		
Depth	ft Time to Fi	11	sec	Depth	Ft		
Velocity Flow	ft/sec Flow		gpm	Velocity Flow	ft/sec Gpm		
TIOW	gpm			TIOW	Орш		
COMMEN'	TS: This site (C-B08-10a) was an altern	native used to re	eplace C-B09-10, whic	h is not accessible due to cor	nstruction. Site is		

San Diego Stormwater Copermittees Land Use Types for Dry Weather Monitoring (Adopted by the Dry Weather Manitoring Workgroup, April 20, 2004)

(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

	x Field Screening Confirmation For IC/II				Follow-Up F	or	
GENERAL	SITE DESCRIPTION	(NAD	83 decimal degrees to 5	5th place)		x MS4 🗆 Re	eceiving Water
Site ID	CB12-9a (Alternate for CB12-9)	Latitude	(e.g., 33.41174) 32.73516	Wa	Hydrolog	gic Unit	(e.g., 7.00) 908
Location	T2 West	Longitude	(e.g., -117.35213) -117.20444	Watershed	Hydrolog	gic Area	(e.g., 7.10) 908.2
Date	5/8/12	TB Page	1268 E7	ned	Hydrolog (Optional)	jic Subarea)	(e.g., 7.11) 908.21
Time	0720	Observer	KG, AM		scharge Are ptional)	a	
Land Use ((Check one		Commercial x I	ndustrial 🗆 Agri	icultural	□ Parks)pen
	(Secondary) greater than 10%)	Commercial x I	ndustrial 🛛 Agri	icultural	□ Parks	□ Open	□ None
Conveyand (Check one	ce 🗆 🗆 Manhala y Ca	tch Basin 🛛 Ou	utlet Concrete Channel			□ Earthen Channel	x Curb/Gutter
ATMOSP	HERIC CONDITIONS						
Weather Tide	□ N/A x Low x I	Overcast x Fog ncoming □ Hig	••••••	oing	Tide Heig	ght: ft.	
Last Rain Rainfall	$x > 72$ hours $\Box < 72$ hours x None $\Box < 0.1$ "	> 0.1"					
	CHARACTERISTICS	0.1					
Odor	x None 🗆 Musty	Rotten Eggs		\Box S	ewage	□ Othe	er
Color		Brown	□ White	□ G		🗆 Othe	er
Clarity	x Clear	Slightly Cloudy	🗆 Opaque			□Othe	r
Floatables	x None 🗆 Trash 🗌	Bubbles/Foam	□ Sheen	\Box F	ecal Matter	🗆 Othe	r
Deposits		Fine Particulates	□ Stains	□ O	ily Deposits	🗆 Othe	
Vegetation		Normal				🗆 Othe	
Biology	x None	□ Fish □ Snail		□ Insect Algae	/ Insee Snail	ct/ 🗆 Othe	er
Water Flo	w □ Flowing □ Ponded x l	Dry 🗆 Tidal					
Does the st	orm drain flow reach the Receiving W	ater?	□ Yes □	No 2	x N/A		
Evidence o	f Overland Flow?	No 🗌 Irrigation	Runoff 🗆 Other	••			
Photo Tak	en 🗆 Yes x No Photo #						
Field Screer	ing Samples Collected?	No					
Water Tem	p (°C) NH3-N (mg/L)		NO3-N (mg/L)		Ortho	D-PO 4 (mg/L)	
pH (pH units)	TURB (NTU)		COND (mS/cm)		MBA	S (mg/L)	
	Lab Samples Collected?□ Yes	x No					
FLOW ES	TIMATION WORKSHEETS						
		lling a Bottle or l	Known Volume			Flowing Pip	
Width	ft Volume		mL		Diameter		ft
Depth	ft Time to	Fill	sec		Depth		ft ft/acc
Velocity Flow	ft/sec Flow gpm		gpm		Velocity Flow		ft/sec gpm
COMMEN	FS: This site (C-B12-9a) was an alternation	ve used to replace	C-B12-9, which is	s not acc	essible due to	construction	. Site is dry.

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

1. Residential

Residential (general)

Single- and multi-family homes, mobile home parks, etc.

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2. Commercial

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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

TRASH ASSESSMENT FORMS

2012 Trash Assessment Form

SITE ID:	<u>CB01-1a</u>	DATE: <u>5/8/2012</u>			
LOCATION:	LANDMARK	Тіме: <u>0809</u>			
OBSERVER:	<u></u> <u>K</u>	(<u>G, AM</u>			
PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): <u>NA</u>					
ESTIMATED AREA OF ASSESSMENT L X W (FT): <u>50x50</u>					

	Amount and Extent of Trash					
EVALUATION OF TR	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					
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 Evalua	ation 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

t		POTENTIAL ROUTE (CHECK UP TO 2)			POTENTIAL SOURCE (CHECK UP TO 2)							
Түре	Ranking or Count by Type *	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:_____

2012 Trash Assessment Form

SITE ID:	<u>CB03-2</u>	DATE: <u>5/8/2012</u>		
	BLAST FENCE	Тіме: <u>0817</u>		
OBSERVER:		KG, AM		
PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): <u>N/A</u>				
ESTIMATED AREA OF ASSESSMENT L X W (FT): <u>50x50</u>				

	Amount and Extent of Trash						
EVALUATION OF TR	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 Evalua	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

t		POTENTIAL ROUTE (CHECK UP TO 2)			POTENTIAL SOURCE (CHECK UP TO 2)							
Түре	Ranking or Count by Type *	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:_____

2012 Trash Assessment Form

SITE ID:	<u>CB05-3</u>	DATE:	5/8/2012	
	RENTAL CAR PARKING LOT	Тіме	: <u>0755</u>	
OBSERVER:	<u></u>	<u>(G, AM</u>		
PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): N/A				
ESTIMATED AREA OF ASSESSMENT L X W (FT):50x50				

	Amount and Extent of Trash						
EVALUATION OF TR	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 Evalua	ation 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

t		POTENTIAL ROUTE (CHECK UP TO 2)			POTENTIAL SOURCE (CHECK UP TO 2)							
Түре	Ranking or Count by Type *	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:_____

2012 Trash Assessment Form

Site ID:	<u>CB05-4</u>	DATE:	<u>5/8/2012</u>		
	GENERATOR STORAGE YARD	Тіме	0826		
OBSERVER:	<u>K</u>	<u>G, AM</u>			
PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): <u>N/A</u>					
ESTIMATED AREA OF ASSESSMENT L X W (FT): <u>50x50</u>					

	Amount and Extent of Trash						
EVALUATION OF TR	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

	nt	POTENTIAL ROUTE (CHECK UP TO 2)			POTENTIAL SOURCE (CHECK UP TO 2)							
Түре	Ranking or Count by Type *	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:_____

2012 Trash Assessment Form

Site ID: <u>C</u>	B06-5	DATE: <u>5/8/2012</u>						
		Тіме: <u>0738</u>	_					
OBSERVER:	<u>K</u>	<u>(G, AM</u>						
PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): <u>N/A</u>								
ESTIMATED AREA OF ASSESSMENT L X W (FT): <u>50x50</u>								

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

	nt	POTENTIAL ROUTE (CHECK UP TO 2)			POTENTIAL SOURCE (CHECK UP TO 2)							
Түре	Ranking or Count by Type *	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:_____
2012 Trash Assessment Form

SITE ID:	<u>CB07-6</u>	DATE:	<u>5/8</u>	<u>8/2012</u>		
LOCATION: _	AA Oil Water Seperator	Tוח	ME:	<u>0638</u>		
OBSERVER:		KG, AM				
PREVIOUS TR	RASH ASSESSMENT RATING (IF A	PPLICABLE)):	11	<u>I/A</u>	
ESTIMATED A	AREA OF ASSESSMENT L X W (F	т): _ 50 х 50)			

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

	nt	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
Түре	Ranking or Count by Type *	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:_____

2012 Trash Assessment Form

SITE ID:	_CB07-7	DATE:	<u>5/8/2012</u>
LOCATION: West	t Wing Parking Lot TIME: _	<u>06:14</u>	
OBSERVER:	<u>KG, AM</u>		
PREVIOUS TRASH	ASSESSMENT RATING (IF A	PPLICABLE): _	<u>N/A</u>
ESTIMATED AREA	OF ASSESSMENT L X W (FT)): <u>50x50</u>	

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

	nt	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
Түре	Ranking or Count by Type *	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:_____

2012 Trash Assessment Form

Site ID:	CB08-8	DATE:	_5/8/2012
LOCATION:	SW SLIT TRENCH TIME: _	08:41	
OBSERVER:	К	G, AM	
PREVIOUS TRAS	SH ASSESSMENT RATING (IF AF	PPLICABLE):	N/A
	EA OF ASSESSMENT L X W (FT)):5	0x50

	Amount and Extent of Trash						
EVALUATION OF TR	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 Evalua	ation 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

	nt	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
Түре	Ranking or Count by Type *	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:_____

2012 Trash Assessment Form

SITE ID: <u>CB08-10a (ALTERN</u>	TE SITE FOR CB09-10) DATE:5/8/2012	
LOCATION:T1 PARKING	TIME:06:23	
OBSERVER:	KG, AM	
PREVIOUS TRASH ASSESSME	NT RATING (IF APPLICABLE):NA	

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

	Amount and Extent of Trash						
EVALUATION OF TR	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 Evalua	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

	nt	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
Түре	Ranking or Count by Type *	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:_____

2012 Trash Assessment Form

SITE ID: <u>CB1</u>	2-9a (ALTERNATE SITE FOR CB12-9)	DATE:5/8/2012
	T2 DELTA GATE AREA TIME:	:0720
OBSERVER:	KG, AM	
PREVIOUS TRA	SH ASSESSMENT RATING (IF APPLICA	ABLE):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 Evalua	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

	nt	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
Түре	Ranking or Count by Type *	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:_____

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,

nd X. Foryth

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.



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AMEC 9177 Sky Park Court Suite A San Diego CA, 92123	Project Number:	San Diego Airport [none] Amanda Archenhold		Reported: 05/16/12 16:35				
ANALYTICAL REPORT FOR SAMPLES								
Sample ID	Labo	ratory ID Matrix	Date Sampled	Date Received				
CB07-6-5-08-12	1205	5106-01 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 Decemptors by ADUA Standard Mathads						

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 R	eceived: 05	5/08/12 10	0:22				
Enterococcus	42	2.0 M	IPN/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	



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AMEC 9177 Sky Park Court Suite A San Diego CA, 92123	Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold							Reported: 05/16/12 16:35		
Conventional Chemistry Parameters by APHA/EPA Methods										
Sierra Analytical Labs, Inc. Reporting										
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
CB07-6-5-08-12 (1205106-01) Liquid	CB07-6-5-08-12 (1205106-01) Liquid Sampled: 05/08/12 09:10 Received: 05/08/12 10:22									
Total Hardness Hexane Extractable Material (HEM)	106 ND	0.400 2.00	mg/L "	1 "	B2E1514 "	05/15/12	05/15/12 13:34	SM 2340 C EPA 1664		



AMEC 9177 Sky Park Court Suite A	Project: San Diego Airport 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	2 09:10 R	eceived:	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 9177 Sky Park Court Suite A San Diego CA, 92123		Project Nu	nber: [n	an Diego A one] manda Arch	1				Reporte 05/16/12	
	Metals (Dissolved	d) by EPA : Sierra An			-	lity Cont	rol			
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)	Sou	rce: 120510	5-01	Prepared:	05/10/12	Analyzed	: 05/11/12			

			a: 05/11/12	Analyze	05/10/12	Prepared.	0-01	ce: 120510	Sourc	Matrix Spike (B2E1003-MS1)
			70-130	91.0	0.90	50.0	μg/L	4.0	46.4	Cadmium
			70-130	106	13	50.0	"	2.0	65.9	Copper
			70-130	94.2	0.90	50.0	"	4.0	48.0	Lead
			70-130	91.4	27	50.0	"	2.0	72.7	Zinc
			d: 05/11/12	Analyzed	05/10/12	Prepared:	6-01	·ce: 120510	Sourc	Matrix Spike Dup (B2E1003-MSD1)
	30	3.29	d: 05/11/12 70-130	Analyzed 88.0	05/10/12	Prepared: 50.0	6-01 μg/L	ce: 120510 4.0	Sourc 44.9	Matrix Spike Dup (B2E1003-MSD1) Cadmium
	30 30	3.29 6.58		5		1				
			70-130	88.0	0.90	50.0		4.0	44.9	Cadmium
-			70-130 70-130	91.0 106	0.90 13	50.0 50.0		4.0 2.0	46.4 65.9	Cadmium Copper



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



Page 1 of 5

Certificate of Analysis

Client: Sierra Analytical

26052 Merit Circle, Suite 105 Laguna Hills, CA 92653
 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. #:

Attn: Nick Forsyth **Project:** 1205106

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 Sampled by: Client	Sample Sample		CB07-6-5-08- 12 09:10	12 (12051	06-01)					Ma	trix: Water
Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	l	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	%	Co	ncentration:1.	89				



Analytical Laboratory Service - Since 1964

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	3/12 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	8/12 20:36	

					reparear ob				
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		



Weck Laboratories, Inc.

Analytical Laboratory Service - Since 1964

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	3/12 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		Linit
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		-	1.00	81	49-140		
				ug/l	1.00	79	46-146		
Stirophos		0.793		ug/l	1.00	73	52-139		
Tokuthion (Prothiofos)		0.723		ug/l					
Trichloronate		0.744		ug/l	1.00	74	52-136		
Aatrix Spike (W2E0632-MS1)		urce: 2E08076	5-01		-	/15/12	Analyzed: 05/18	3/12 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		0.772		ug/l	1.00	77	36-157		
Coumaphos		0.951		ug/l	1.00	95	25-199		
Demeton-o		0.677		ug/l	1.00	68	22-179		
Demeton-s	ND	0.958		ug/l	1.00	96	32-173		
Diazinon		0.782		ug/l	1.00	78	33-172		
Dichlorvos		0.877		ug/l	1.00	88	11-197		
Disulfoton		1.09		ug/l	1.00	109	56-133		
Ethoprop		0.851		ug/l	1.00	85	57-148		
Fensulfothion		1.39		ug/l	1.00	139	32-236		
Fenthion		0.927		ug/l	1.00	93	54-154		
Merphos		0.866		ug/l	1.00	87	41-188		
Methyl parathion		0.942		ug/l	1.00	94	43-169		
Mevinghos		0.960		ug/l	1.00	96	18-186		
Naled		1.04		ug/l	1.00	104	6-234		
Phorate		0.895		ug/l	1.00	90	46-160		
Ronnel		0.833		ug/l	1.00	83	30-166		
Stirophos		1.12		ug/l	1.00	112	28-180		
Tokuthion (Prothiofos)		0.776		ug/l	1.00	78	34-164		
Trichloronate		0.810		ug/l	1.00	81	41-155		
fatrix Spike Dup (W2E0632-MSD1)		urce: 2E08076	: 01	ugn			Analyzed: 05/18	/12 21.27	
aunz spike bup (wzeoosz-msbi)	Sample	QC	-01		Spike	/15/12	%REC	0/12 21:37	RPD
Analyte	Result	Result	Qualifier	Units	Level	%REC	Limits	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		1.11		ug/l	1.00	111	32-173	15	25



Weck Laboratories, Inc.

Analytical Laboratory Service - Since 1964

Certificate of Analysis

Organophosphorus Pesticides by EPA Method 8141A - Quality Control

Batch W2E0632 - EPA 8141A

Matrix Spike Dup (W2E0632-MSD1)	So	urce: 2E08076	5-01	F	Prepared: 05	/15/12 Ana	alyzed: 05/18	3/12 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



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





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 ND	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. 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

SIS TT TT TT	SIERRA ANALYTICAL TEL: 949•348•9389 Fax: 940•348•0115	CHAIN OF CU	HAIN OF CUSTODY RECORD Date: \overline{S} , $\overline{\mathcal{E}}$, \overline{I} \overline{Z} Page \overline{I} of	~
24	26052 Merit Circle• Suite 105•Laguna Hills, CA•92653	s, CA•92653	Lab Project No.: 1305106	
Client: ANE	C. 0 ~ / .	Client Project ID:	Analysis Requested	OD Info:
Client Address: 71/1	5 CN92125		5 25 25 25	WELCONGINGER
		د د	24 Hour Of Lob Soft L	CODE
Client Tel. No.: 858	5146468	Time Requested 48 Hour	12Hour of Day of the	
Client Fax. No.: Client Proj. Mgr.: Amarola	anda Archenhold		Mobile 22 Mobile	D
Client Sample ID.	Sierra Date Time	Matrix Preservative Container Type	No. of Containers OD Cost TELE	James/ hts
CB07-6-5-0	-08-12 of 5/8/2 0910 L	5	XXXXXXXXXX	

		And a second		
vanite in the second				
			/	
Sampler Signature:	Shipped Via:	la:	Total Number of Containers Submitted to Sample Disposal:	
Printed Name: V r S 6	S. C. (Carrier Waxpuller)	. okentidar	Laboratory	
2 Relinquished By:	H Ball 8 (Received By		$\frac{1}{100}$ The delivery of samples and the signature on this chain of custody form constitutes \Box Lab Disposal [*]	
Company: Awed	200	1 SH	$\mathcal{VB}_{1}\mathcal{CC}$ Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT. $\mathcal{VB}_{2}\mathcal{CC}$ *- Samples determined to be hazardous by SIERRA will be returned to CLIENT.	
Belinquished By:	Card 172 Received B.	× ×		
Company:	F White 3U Company:	Siever		
(4) Relinquished By:	Date Received By:		LABORATORY USE ONLY - Sample Receipt Condition	
Company:	Time: Company:		ja (
Special Instructions:			Property Labelled Other Other	
		1 🖓	$1 \wedge \dots \wedge 1 \rightarrow \dots \rightarrow$	

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

Rev: 102005

MONITORING EVENT 2

(6/6/2012)

San Diego Stormwater Copermittees Dry Weather Monitoring Field Datasheet

	x Field Screenin	g 🛛 Confirmation	For	D I (C/ID Follow-Up F	'or	
GENERA	L SITE DESCR	IPTION	(NAD	83 decimal degrees to 5th	place)	x MS4 🗆 Re	ceiving Water
Site ID	CB01-1a		Latitude	(e.g., 33.41174) 32.73283	¥ Hydrolog	gic Unit	(e.g., 7.00) 908
Location	Landmark		Longitude	(e.g., -117.35213) -117.17764	Water Hydrolog ed Hydrolog Hydrolog	gic Area	(e.g., 7.10) 908.2
Date	6/6/2012		TB Page	1288 H1	Hydrolog (Optional	gic Subarea	(e.g., 7.11) 908.21
Time	0750		Observer	KG, AM	Discharge Are (Optional)	ea	
Land Use (Check one	• •	□ Residential □ Cor	mmercial x I	ndustrial 🗆 Agricu	ltural 🗆 Parks	\Box O	pen
	(Secondary) greater than 10%) 🗆 Residential 🗆 Cor	mmercial x I	ndustrial 🗆 Agricu	ltural 🗆 Parks	🗆 Open	□ None
Conveyane (Check one	ce	☐ Manhole x Catch	Basin 🗆 Ou	utlet Concrete Channel		Earthen Channel	□ Curb/Gutter
	HERIC CONDI						
Weather Tide	□ Sunny □ N/A	$\begin{array}{c} x \text{ Partly Cloudy} & \Box \text{ Ove} \\ x \text{ Low} & \Box \text{ Ince} \end{array}$	ercast □ Fog oming □ Hig		g Tide Hei	ght: ft.	
Last Rain	x > 72 hours	\Box < 72 hours					
Rainfall	x None	$\Box < 0.1$ " $\Box > 0$.1"				
	CHARACTERI	STICS					
Odor			otten Eggs			🗆 Othe	
Color			own	□ White	Gray	🗆 Othe	
Clarity	x Clear		ightly Cloudy	Opaque		🗆 Othe	er
Floatables		□ Trash □ Bu	ubbles/Foam		Fecal Matter	□ Othe	r
Deposits			ne Particulates	□ Stains	□ Oily Deposits	□ Othe	r
Vegetatior	x None	\Box Limited \Box No	ormal			□ Othe	r
Biology	x None	□ Insects □ Algae □	Fish □ Snail		Insect/ □ Inse gae Snail	$ect/$ \Box Other	r
Water Flo	w 🗆 Flow	ring x Ponded 🗆 Dry	y x Tidal				
Does the st		reach the Receiving Wate	er?	□ Yes x N	o □N/A		
	of Overland Flow			Runoff 🗆 Other:			
Photo Tak		x No Photo	<u> </u>				
Field Scree	ning Samples Co	ollected? x Yes					
Water Tem		NH3-N (mg/L)		NO3-N (mg/L)	Orth	0-PO4 (mg/L)	
pH (pH units	·	TURB (NTU)		COND (mS/cm) 49		AS (mg/L)	
Analytical	Lab Samples C	ollected?	x No				
FLOW ES	TIMATION W	ORKSHEETS					
Flowing	g Creek or Box (Culvert Fillir	ng a Bottle or I	Known Volume		Flowing Pip	e
Width	,	ft Volume		mL	Diameter		ft
Depth		ft Time to Fil	11	sec	Depth		ft
Velocity		ft/sec Flow		gpm	Velocity		ft/sec
Flow		gpm			Flow		gpm
COMMEN ' Taxiway Ch	TS: <u>This site</u> arlie area. Confir	e (C-B01-1a) was an alterna med seawater	ative used to rep	place C-B01-1, due to	econfiguration o	f the storm dra	ins in the

San Diego Stormwater Copermittees Land Use Types for Dry Weather Monitoring (Adopted by the Dry Weather Manitoring Workgroup, April 20, 2004)

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3. Agricultural

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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.

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6. Open

Vacant and undeveloped lands, etc.

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x Field Screening Confirmation For					□ IC/ID Follow-Up For			
GENERAL	L SITE DESCH	RIPTION	(NAD	83 decimal degrees to 5th	place)	x MS4	□ Receiving Water	
Site ID	СВ03-2		Latitude	(e.g., 33.41174) 32.72864	Wa	Hydrologic Unit		
Location	Blast fence		Longitude	(e.g., -117.35213) -117.17843	Watershed	Hydrologic Area		
Date	6/6/2012		TB Page	1288 J1		Hydrologic Suba (Optional)	rea (e.g., 7.11) 908.21	
Time	0802		Observer	KG, AM	Disch (Optio	arge Area onal)		
Land Use (Check one		□ Residential □ C	ommercial x I	ndustrial 🗆 Agricu	ultural] Parks	□ Open	
Land Use	(Secondary)	\square Residential \square C	ommercial x I	ndustrial 🗆 Agricu	iltural	\square Parks \square Op	en 🗆 None	
Conveyan		⁷ 0)	rh Basin \Box Ou	Let Concrete		atural 🗆 Earthe	en 🗆 Curb/Gutter	
(Check one	e only)			Channel	Cree	k Channel		
ATMOSP	HERIC COND	DITIONS						
Weather		x Partly Cloudy 🛛 🛛 🕁	vercast					
Tide	□ N/A		coming 🗆 Hig	h 🗌 Outgoii	ng '	Fide Height:	ft.	
Last Rain	x > 72 hours							
Rainfall	x None		0.1"					
	CHARACTER	RISTICS						
Odor	x None	🗆 Musty 🗆 I	Rotten Eggs		🗆 Sewa		Other	
Color	x None		Brown	□ White	🗆 Gray		Other	
Clarity	x Clear		lightly Cloudy	Opaque			Other	
Floatablesx NoneTrashBut			Bubbles/Foam	□ Sheen			Other	
							organic	
Dom o aita	x None				O'1		naterial	
Deposits			Fine Particulates	□ Stains		*	Other	
Vegetation			Normal		T (/		Other	
Biology	x None	□ Insects □ Algae	□ Fish □ Snail		Insect/ lgae	□ Insect/ □ Snail	Other	
Water Flo	ow 🗆 Flor	wing x Ponded 🗆 D	ory x Tidal					
Does the s	torm drain flov	w reach the Receiving Wa	ter?	□ Yes x N	lo 🗆 N	/A		
Evidence of	of Overland Flo	ow? 🗆 Yes x N	o 🗆 Irrigation	Runoff				
Photo Taken								
Field Scree	ning Samples C	Collected? x Yes 🗆 🗅	No					
Water Tem		NH3-N (mg/L)		NO3-N (mg/L)		Ortho-PO ₄ (mg	g/L)	
pH (pH units) 7.83	TURB (NTU)		COND (mS/cm) 4	5.7	MBAS (mg/L)		
Analytical Lab Samples Collected?								
FLOW ESTIMATION WORKSHEETS								
Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing Pipe								
Width		ft Volume		mL		ameter	ft	
Depth		ft Time to H	Fill	sec		epth	ft	
Velocity		ft/sec Flow		gpm		elocity	ft/sec	
Flow		gpm			Fl	ow	gpm	

COMMENTS: Confirmed seawater

Revised 4/20/2004. 4/15/2005. 4/19/2006, 3/13/2008

San Diego Stormwater Copermittees Land Use Types for Dry Weather Monitoring

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

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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 Wa									
Site ID	CB05-3		Latitude	(e.g., 33.41174) 32.73782		s I	lydrologia	c Unit	(e.g., 7.00) 908
Location	Rental car storage area		Longitude	(e.g., -117.35213) -117.18311		Watershed	lydrologio	c Area	(e.g., 7.10) 908.2
Date	6/6/2012		TB Page	1268 H7			lydrologic Optional)	c Subarea	(e.g., 7.11) 908.21
Time	0829		Observer	KG, AM		Discha (Option	rge Area nal)		
Land Use (Primary) (Check one only) Residential Commercial x Industrial Agricultural Parks Open								pen	
	(Secondary) greater than 10%)	ntial 🗆 Comm	nercial x Ir	ndustrial 🗆 Ag	gricultu	ral 🗆	Parks	□ Open	□ None
Conveyand (Check one	Ce 🗆 Manha	le x Catch B	asin 🗆 Ou	tlet Concre Channel		□ Na Creel		Earthen hannel	Curb/Gutter
ATMOSD	HERIC CONDITIONS								
		1							
Weather Tide	□ Sunny x Partly Clo □ N/A x Low	oudy	<u> </u>			т	'ide Heigh		
Last Rain			ning 🗆 High		tgoing	1	lue neigi	n t: ft.	
Rainfall	$\frac{x}{x \text{ None}} = \frac{\sqrt{2} \text{ Hours}}{x \text{ None}}$	$\Box > 0.1'$,						
	CHARACTERISTICS								
Odor	x None 🗌 Musty	□ Rotte	en Eggs		[🗆 Sewag	<u>2</u> e	□ Other	
Color	x None					Gray	5-		
Clarity	x Clear		ntly Cloudy	□ Opaque				□ Other	
Floatables	x None 🗆 Trash		bles/Foam		[□ Fecal	Matter	□ Other	•
Deposits	x None 🗌 Sediment/Gra	avel 🗆 Fine	Particulates	□ Stains	[🗆 Oily I	Deposits	□ Other	•
Vegetation	x None 🗆 Limited	🗆 Norr	nal	□ Excessive				□ Other	
Biology	x None	Algae 🗆 Fi	sh □ Snails	Barnacles	□ Ins Alga		□ Insect Snail	/ 🗆 Other	
Water Flo	w 🗆 Flowing 🗆 Ponc	led x Dry	🗆 Tidal						
Does the st	orm drain flow reach the Re	ceiving Water?	?	□ Yes	🗆 No	x N/.	A		
Evidence o	of Overland Flow?	Yes x No	□ Irrigation	Runoff Othe	r:				
Photo Tak		Photo #							
Field Screet	ing Samples Collected?	□ Yes x N	No						
Water Tem		-N (mg/L)		NO3-N (mg/L)			Ortho-	PO ₄ (mg/L)	
pH (pH units)	*	B (NTU)		COND (mS/cm)			MBAS		
Analytical Lab Samples Collected?									
FLOW ES	TIMATION WORKSHEETS	5							
Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing Pipe									
Width	ft	Volume		mL		Dia	meter		ft
Depth	ft	Time to Fill	1	sec		De			ft
Velocity	ft/sec	Flow		gpm		Ve	ocity		ft/sec
Flow	gpm					Flo	W		gpm
COMMENTS: Dry,									

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

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6. Open

Vacant and undeveloped lands, etc.

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:	x Field Screening	□ IC/ID Follow-Up For							
GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place) x MS4 Receiving Wat									
Site ID	CB05-4	Latitude	(e.g., 33.41174) 32.73063	Wa	Hydrologic Un	it	(e.g., 7.00) 908		
Location	Generator Storage Area	Longitude	(e.g., -117.35213) -117.18301	Watershed	Hydrologic Are	ea	(e.g., 7.10) 908.2		
Date	6/6/2012	TB Page	1288 G1	led	Hydrologic Sul (Optional)	oarea	(e.g., 7.11) 908.21		
Time	0809	Observer	KG, AM		scharge Area ptional)				
Land Use (Primary) (Check one only) Residential Commercial x Industrial Agricultural Parks									
	Land Use (Secondary) (Optional, greater than 10%) Residential Commercial x Industrial Agricultural Parks Open None								
Conveyand (Check one	ce	Basin 🗆 Oı	utlet Concret		Natural □ Eart Creek Chann		Curb/Gutter		
(Check one	, omy)		Channer						
ATMOSPI	HERIC CONDITIONS								
Weather	Sunny x Partly Cloudy Over	cast □ Fog							
Tide	□ N/A x Low □ Inco	ming 🗆 Hig	h 🛛 Outg	oing	Tide Height:	ft.			
Last Rain	$x > 72$ hours $\Box < 72$ hours								
Rainfall	x None $\Box < 0.1$ " $\Box > 0.1$	1"							
RUNOFF	CHARACTERISTICS								
Odor	x None \Box Musty \Box Rot	tten Eggs	□ Chemical		ewage	□ Othe	r		
Color	x None		□ White	□ G		Othe			
Clarity		ghtly Cloudy	□ Opaque			Othe	r		
Floatables		bbles/Foam		□ Fe	ecal Matter	□ Othe			
Deposits	x None 🗌 Sediment/Gravel 🗌 Fin	e Particulates	□ Stains	□ O	ily Deposits	□ Othe	r		
Vegetation		rmal	□ Excessive			□ Othe	r		
Biology	x None	Fish 🗆 Snail	s 🗆 Mussels/ Barnacles	□ Insect Algae	′ □ Insect/ Snail	□ Othe	r		
Water Flo	w	🗆 Tidal	Damacies	Algae	Shan				
	torm drain flow reach the Receiving Water		□ Yes x	K No [□ N/A				
	of Overland Flow?								
Photo Tak									
Field Screer	ning Samples Collected? x Yes								
Water Tem			NO3-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?									
FLOW ESTIMATION WORKSHEETS									
Flowing	Creek or Box Culvert Filling	g a Bottle or I	Known Volume		Flow	ing Pip	e		
Width	ft Volume		mL		Diameter	8P	Ft		
Depth	ft Time to Fill	-	Sec		Depth		Ft		
Velocity	ft/sec Flow		Gpm		Velocity		ft/sec		
Flow	gpm				Flow		Gpm		
COMMENTS: Seawater confirmed									

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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			
					□ Receiving Water		
Site ID	CB06-5	Latitude	(e.g., 33.41174) 32.73584	₹ Hydrologic Unit	(e.g., 7.00) 908		
Location	Air Traffic Control Tower	Longitude	(e.g., -117.35213) -117.18637	Hydrologic Unit Hydrologic Area	(e.g., 7.10) 908.2		
Date	6/6/2012	TB Page	1268 G7	Hydrologic Subar (Optional)	rea (e.g., 7.11) 908.21		
Time	0730	Observer	KG, AM	Discharge Area (Optional)			
Land Use (Check one		nmercial x I	ndustrial 🗆 Agricu	tural 🗆 Parks	□ Open		
	(Secondary) greater than 10%) □ Residential □ Con	nmercial x I	ndustrial 🗆 Agricul	tural 🗆 Parks 🗆 Ope	en 🗆 None		
Conveyan (Check one	ce Vanhale v Catch	Basin □ Oı	utlet Concrete Channel	□ Natural □ Earther Creek Channel	I Tirb/I suffer		
	HERIC CONDITIONS						
Weather Tide	□ Sunny x Partly Cloudy □ Ove □ N/A x Low □ Inco	<u> </u>		g Tide Height:	ft.		
Last Rain	$x > 72$ hours $\Box < 72$ hours			g Interneight	It.		
Rainfall	x None $\Box < 0.1$ " $\Box > 0.$	1"					
	CHARACTERISTICS						
Odor	x None \Box Musty \Box Ro	tten Eggs			Other		
Color	x None		□ White	Y	Other		
Clarity	x Clear	ghtly Cloudy	Opaque		Other		
Floatables	x None 🗆 Trash 🗆 Bu	bbles/Foam	□ Sheen		Other		
Deposits	x None 🗆 Sediment/Gravel 🗆 Fin	e Particulates	□ Stains	□ Oily Deposits □	Other		
Vegetation	n x None \Box Limited \Box No	rmal	□ Excessive		Other		
Biology	x None	Fish 🗆 Snail		nsect/ Insect/ gae Snail	Other		
Water Flo	w □ Flowing x Ponded □ Dry	r □ Tidal	Damaces Al	gae Shan			
Does the s	torm drain flow reach the Receiving Wate	r?	□ Yes x No	o □N/A			
	of Overland Flow?	Π					
Photo Tak	xen □ Yes x No Photo #						
Field Scree	ning Samples Collected? x Yes						
Water Tem			NO3-N (mg/L)	Ortho-PO ₄ (mg	ι/L)		
pH (pH units) 7.69 TURB (NTU)		COND (mS/cm) 24	.9 MBAS (mg/L)			
Analytical Lab Samples Collected?							
FLOW ESTIMATION WORKSHEETS							
Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing Pipe							
Width	ft Volume		mL	Diameter	ft		
Depth	ft Time to Fill	[Sec	Depth	ft		
Velocity	ft/sec Flow		Gpm	Velocity	ft/sec		
Flow	gpm			Flow	gpm		
COMMENTS: <u>confirmed seawater</u>							

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Vacant and undeveloped lands, etc.

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	x Field Screening Confirmation	□ IC/ID Follow-Up For							
GENERAL	L SITE DESCRIPTION	(NAD	83 decimal degrees to 5th	place)	x MS4	Receiving Water			
Site ID	CB07-6	Latitude	(e.g., 33.41174) 32.73085	Wa	Hydrologic Unit	(e.g., 7.00) 908			
Location	Oil water separator At American	Longitude	(e.g., -117.35213) -117.19323	Watershed	Hydrologic Area	(e.g., 7.10) 908.2			
Date	6/6/2012	TB Page	1288 F1	ned	Hydrologic Subarea (Optional)	a (e.g., 7.11) 908.21			
Time	0708	Observer	KG, AM		harge Area ional)				
Land Use (Primary) (Check one only) Residential Commercial x Industrial Agricultural Parks									
	(Secondary) greater than 10%) □ Residential □ Con	nmercial x I	ndustrial 🗆 Agricu	ltural	\Box Parks \Box Open	□ None			
Conveyand (Check one	ce v Manhole Catch	Basin 🗆 Ou	utlet Concrete Channel		Vatural 🗆 Earthen eek Channel	Curb/Gutter			
)			011					
ATMOSP	HERIC CONDITIONS								
Weather	□ Sunny x Partly Cloudy □ Ove	rcast □ Fog							
Tide	\Box N/A x Low \Box Inco	oming 🗆 Hig	h 🗌 Outgoin	g	Tide Height:	<u>_ft.</u>			
Last Rain	$x > 72$ hours $\Box < 72$ hours								
Rainfall	x None $\Box < 0.1$ " $\Box > 0.$	1"							
RUNOFF	CHARACTERISTICS								
Odor	x None \Box Musty \Box Ro	tten Eggs		🗆 Sev	vage 🗆 O	ther			
Color	x None \Box Yellow \Box Brown \Box White \Box Gray \Box Other								
Clarity	x Clear \Box Slightly Cloudy \Box Opaque \Box Other								
Floatables									
Deposits	x None 🗆 Sediment/Gravel 🗆 Fine Particulates 🗆 Stains x Oily Deposits 🔅 Other								
Vegetation									
Biology	x None Insects Algae Fish Snails Mussels/ Insect/ Insect/ Other Barnacles Algae Snail								
Water Flo	w 🗆 Flowing 🗆 Ponded x Dry	🗆 Tidal	Buildered	Suc					
Does the st	torm drain flow reach the Receiving Wate	r?	\Box Yes \Box N	o xl	N/A				
Evidence	of Overland Flow?		Runoff U Other:						
Photo Tak	en 🗆 Yes x No Photo #								
Field Scree	ning Samples Collected?								
Water Tem	* * * * * * * * * * * * * * * * * * * *		NO3-N (mg/L)		Ortho-PO ₄ (mg/L)				
pH (pH units)) TURB (NTU)		COND (mS/cm)		MBAS (mg/L)				
Analytical Lab Samples Collected?x YesNo									
FLOW ESTIMATION WORKSHEETS									
Flowing	g Creek or Box Culvert Fillin	a a Rottla or I	Known Volume		Flowing	Pine			
Width	ft Volume		mL	ПГ	Diameter	Ft			
Depth	ft Time to Fill		sec		Depth	Ft			
Velocity	ft/sec Flow	·	gpm		/elocity	ft/sec			
Flow	gpm				low	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

(NAD 83 decimal degrees to \$th place) x MS4 © Receiving Water Site ID CB07-7 Latitude (e.g., 37300) # Hydrologic Unit (e.g., 700) Location West wing parking lot Longitude (e.g., 117, 9390) # Hydrologic Unit (e.g., 710) Date 6/6/2012 TB Page 1288 F1 Discharge Area (Optional) (e.g., 711) Image 0612 Observer KG, AM Discharge Area (Optional) (Optional) (Optional) (Optional) Land Use (Primary) Residential Commercial x Industrial Agricultural Parks Open Check one only) Residential Commercial x Industrial Agricultural Parks Open ATMOSPHERIC CONDITIONS Manhole x Catch Basin Outlet Concrete Channel Natural Earthen Creek Curb/Gutter Meather Sunny x Partly Cloudy Overcast Fog Tide N/A X Low Incoming High Outgoing Tide Height: ft. Land Use (Secondary) Manhole x Catch Basin <t< th=""></t<>
Site ID CB0/-7/ Latitude 32.73000 Fight (e.g., 7.10) 908 Location West wing parking lot Longitude (e.g., 7.17, 35213) 117, 19390 Fight (Optional) Hydrologic Area 908.2 Date 6/6/2012 TB Page 1288 F1 Discharge Area (Optional) (e.g., 7.11) 908.2 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 ATMOSPHERIC CONDITIONS Manhole x Catch Basin Outlet Concrete Channel Natural Earthen Creek Curb/Gutter Weather Sunny x Partly Cloudy Overcast Fog Tide N/A Low Incoming High Outgoing Tide Height: ft. Last Rain x >72 hours < 72 hours
Date 00/2012 Ib rage 1208 P1 C (Optional) 908/21 Time 0612 Observer KG, AM Discharge Area (Optional) Open 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 Earthen Creek Curb/Gutter Meather Sunny x Partly Cloudy Overcast Fog Tide N/A x Low Incoming High Outgoing Tide Height: ft. Last Rain x > 72 hours < 72 hours
Date 00/2012 Ib rage 1208 P1 C (Optional) 908/21 Time 0612 Observer KG, AM Discharge Area (Optional) Open 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 Earthen Creek Curb/Gutter Meather Sunny x Partly Cloudy Overcast Fog Tide N/A x Low Incoming High Outgoing Tide Height: ft. Last Rain x > 72 hours < 72 hours
Inne Observer KG, AM (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 Earthen Creek Curb/Gutter ATMOSPHERIC CONDITIONS Manhole x Low Incoming High Outgoing Tide Height:ft. Last Rain x >72 hours <72 hours >0.1" Runof >0.1" Ruten Eggs Chemical Sewage Other
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$
$\begin{array}{c c c c c c c c c c c c c c c c c c c $
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $
WeatherSunnyx Partly CloudyOvercast \Box FogTideN/Ax LowIncomingHighOutgoingTide Height:ft.Last Rainx > 72 hours $< <72$ hours $< <72$ hours $< <72$ hoursRainfallx None $< <0.1^{\circ\circ}$ $> 0.1^{\circ\circ}$ $< <72$ $< <72$ Odorx NoneMustyRotten EggsChemicalSewageOther
Tide N/A x Low Incoming High Outgoing Tide Height:ft. Last Rain $x > 72$ hours < 72 hours $< 6.1^{\circ\circ}$ $> 0.1^{\circ\circ}$ $> 0.1^{\circ\circ}$ Rainfall x None $< 0.1^{\circ\circ}$ $> 0.1^{\circ\circ}$ $> 0.1^{\circ\circ}$ $> 0.1^{\circ\circ}$ RUNOFF CHARACTERISTICS \circ None Musty $ m Rotten Eggs$ $ m Chemical$ $ m Sewage$ $ m Other$
Tide N/A x Low Incoming High Outgoing Tide Height:ft. Last Rain $x > 72$ hours ≤ 72 hours $\leq 0.1^{\circ\circ}$ $\geq 0.1^{\circ\circ}$ Rainfall x None $\leq 0.1^{\circ\circ}$ $\geq 0.1^{\circ\circ}$ RUNOFF CHARACTERISTICS \circ Rotten Eggs \circ Chemical \circ Sewage \circ Other
Rainfallx None < 0.1 "RUNOFF CHARACTERISTICSOdorx NoneMustyRotten EggsChemicalSewageOther
RUNOFF CHARACTERISTICS Odor x None Musty Rotten Eggs Chemical Sewage Other
Odor x None Musty Rotten Eggs Chemical Sewage Other
5
\Box ∇
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/ Insect/ Insect/ Other Barnacles Algae Snail Snail Snail Snail Snail
Water Flow Flowing Ponded x Dry Tidal
Does the storm drain flow reach the Receiving Water?
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) NH3-N (mg/L) NO3-N (mg/L) Ortho-PO4 (mg/L)
pH (pH units) TURB (NTU) COND (mS/cm) MBAS (mg/L)
Analytical Lab Samples Collected?
FLOW ESTIMATION WORKSHEETS
Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing Pipe
Width ft Volume mL Diameter Ft
Depth ft Time to Fill sec Depth Ft Valueit a/ Flag b/ b/ b/ b/
Velocity ft/sec Flow gpm Velocity ft/sec Flow gpm 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)

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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	ion For	IC//	ID Follow-Up For	_
GENERAI	L SITE DESCRIPTION	(NAD	83 decimal degrees to 5th pl	ace) $x MS4 \square R$	eceiving Water
Site ID	CB08-8	Latitude	(e.g., 33.41174) 32.73368	¥ Hydrologic Unit	(e.g., 7.00) 908
Location	Southwest Slit Trench	Longitude	(e.g., -117.35213) -117.19673	Hydrologic Unit Hydrologic Area Hydrologic Subarea	(e.g., 7.10) 908.2
Date	6/6/2012	TB Page	1288 F1	EHydrologic Subarea(Optional)	(e.g., 7.11) 908.21
Time	0721	Observer	KG,AM	Discharge Area (Optional)	
Land Use ((Check one		Commercial x I	ndustrial 🗆 Agricult	ural 🗆 Parks 🗆 🔾	Dpen
	(Secondary) greater than 10%)	Commercial x I	ndustrial 🗆 Agricult	ural 🗆 Parks 🗆 Open	□ None
Conveyand (Check one	ce 🗆 Manhala x C	atch Basin 🛛 Ou	itlet Concrete Channel	□ Natural □ Earthen Creek Channel	□ Curb/Gutter
ATMOSP	HERIC CONDITIONS				
Weather Tide		Overcast □ Fog Incoming □ Higl		Tide Height:ft.	
Last Rain	$x > 72$ hours $\Box < 72$ hours	<u> </u>			
Rainfall	x None $\Box < 0.1$ "	> 0.1"			
RUNOFF	CHARACTERISTICS				
Odor	x None 🗆 Musty	Rotten Eggs		\Box Sewage \Box Other	er
Color	x None 🗆 Yellow	Brown	□ White	□ Gray □ Oth	er
Clarity	x Clear	Slightly Cloudy	Opaque	□ Oth	er
Floatables	x None 🗆 Trash	Bubbles/Foam	□ Sheen	□ Fecal Matter □ Oth	er
Deposits	x None 🗌 Sediment/Gravel	Fine Particulates	□ Stains	□ Oily Deposits □ Oth	er
Vegetation	x None 🗆 Limited	Normal	□ Excessive	□ Oth	er
Biology	x None 🗌 Insects 🗌 Algae	□ Fish □ Snail	s □ Mussels/ □ In Barnacles Alg	ae Snail	er
Water Flo	w \Box Flowing x Ponded \Box	Dry 🗆 Tidal			
Does the st	orm drain flow reach the Receiving W	Vater?	□ Yes x No	□ N/A	
Evidence of	of Overland Flow? x Yes	No 🗆 Irrigation	Runoff x Other: wa	ter from airplane servicing	
Photo Tak	en 🗆 Yes x No Photo # _				
		No			
Water Tem			NO3-N (mg/L)	Ortho-PO ₄ (mg/L)	
pH (pH units)	·		COND (mS/cm)	MBAS (mg/L)	
		No			
	TIMATION WORKSHEETS	illing o Dottle and	Znown Vol	Flority - Dt	
Width	ft Volume	illing a Bottle or H	mL	Flowing Pij	ft ft
Depth	ft Time to		sec	Depth	ft
Velocity	ft/sec Flow	, 1 111	gpm	Velocity	ft/sec
Flow	gpm		or	Flow	gpm
COMMEN	FS: <u>Ponded but not enough to san</u>	nple			

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.

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2. Commercial

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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	□ IC/ID Follow-Up For						
GENERAL	L SITE DESCRIPTIO	N	(NAD 8	83 decimal degrees to 3	5th place)	Х	MS4 🗆 Ree	ceiving Water
Site ID	CB08-10a (Alternate	site for CB09-10)	Latitude	(e.g., 33.41174) 32.72993	Wa	Hydrologic	e Unit	(e.g., 7.00) 908
Location	T1 Parking Lot	Longitude	(e.g., -117.35213) -117.19748	Watershed	Hydrologic	e Area	(e.g., 7.10) 908.2	
Date	6/6/2012		TB Page	1299 F1	hed	Hydrologic (Optional)	e Subarea	(e.g., 7.11) 908.21
Time	0655		Observer	KG, AM		scharge Area ptional)		
Land Use (Check one		Residential	nmercial x I	ndustrial 🗆 Agri	icultural	□ Parks		pen
	(Secondary) greater than 10%)	Residential Con	nmercial x I	ndustrial 🗆 Agri	icultural	□ Parks	□ Open	□ None
Conveyand (Check one	ce 🛛	Manhole x Catch	Basin 🗆 Ou	itlet Concrete Channel			Earthen hannel	Curb/Gutter
ATMOSD	UEDIC CONDITION	c						
	HERIC CONDITION							
Weather Tide		artly Cloudy 🗆 Ove	<u> </u>	••••••		Tido Hoich	Δ.	
Last Rain	$ \square N/A \qquad x Lo x > 72 hours \qquad \square < $	$\frac{1}{72 \text{ hours}}$ Inco	oming 🗆 Higl	h 🗌 Outge	oing	Tide Heigh	n t: ft.	
Rainfall		$\frac{72 \text{ hours}}{0.1^{"}} \square > 0.$	1"					
	CHARACTERISTIC		1					
Odor	x None \Box Mus		tten Faas			ewage	□ Other	
Color	$\frac{x \text{ None}}{x \text{ None}} \square \text{ Yell}$		tten Eggs		□ Se			
Clarity	x Clear		ghtly Cloudy			lay		•
Floatables			bbles/Foam		$\Box \mathbf{F}$	ecal Matter		
Deposits			e Particulates			ily Deposits		
Vegetation						ny Deposits		
Biology	x None \Box Inse		Fish		□ Insect/	/ 🗆 Insect		•
			i isii 🗆 Shan		Algae	Snail		
Water Flo	w	□ Ponded x Dry	🗆 Tidal					
Does the st	torm drain flow reach	the Receiving Wate	r?	□ Yes □]No 🤉	K N/A		
Evidence of	of Overland Flow?	□ Yes x No	□ Irrigation	Runoff 🗆 Other	r:			
Photo Tak	en 🗆 Yes x N	lo Photo #						
Field Scree	ning Samples Collecte	d? \Box Yes x No						
Water Tem	p (°C)	NH3-N (mg/L)		NO3-N (mg/L)		Ortho-	PO4 (mg/L)	
pH (pH units))	TURB (NTU)		COND (mS/cm)		MBAS	(mg/L)	
Analytical	Lab Samples Collecte	ed? 🗆 Yes	x No					
FLOW ES	TIMATION WORKS	HEETS						
Flowing	creek or Box Culver	t	<u>g a B</u> ottle or H	Known Volume]	Flowing Pipe	
Width	ft	Volume		mL		Diameter		Ft
Depth	ft	Time to Fill		sec		Depth		Ft
Velocity	ft/sec	Flow		gpm		Velocity		ft/sec
Flow	gpm					Flow		Gpm
COMMEN'	TS: This site (C-B	08-10a) was an altern	ative used to re	eplace C-B09-10,	which is	not accessible	due to constr	uction. Site is

San Diego Stormwater Copermittees Land Use Types for Dry Weather Monitoring (Adopted by the Dry Weather Manitoring Workgroup, April 20, 2004)

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

1. Residential

Residential (general)

Single- and multi-family homes, mobile home parks, etc.

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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	□ IC/ID Follow-Up For					
GENERAL	L SITE DESCRIPTION	(NAD	83 decimal degrees to	5th place) X	MS4 🗆 Re	ceiving Water
Site ID	CB12-9a (Alternate for CB12-9)	Latitude	(e.g., 33.41174) 32.73516		s Hydrologi الج	c Unit	(e.g., 7.00) 908
Location	T2 West	Longitude	(e.g., -117.35213) -117.20444		Hydrologi Hydrologi Hydrologi	c Area	(e.g., 7.10) 908.2
Date	6/6/12	TB Page	1268 E7		(Optional)		(e.g., 7.11) 908.21
Time	0715	Observer	KG, AM		Discharge Area Optional)		
Land Use ((Check one		mmercial x l	Industrial 🗆 Agr	icultura	1 🗆 Parks	□ 0	pen
	(Secondary) \Box Residential \Box Cogreater than 10%)	mmercial x l	Industrial 🗆 Agr	icultura	l 🗆 Parks	□ Open	□ None
Conveyand (Check one	ce	h Basin 🗆 O	utlet Concret Channel	te		Earthen hannel	x Curb/Gutter
ATMOSP	HERIC CONDITIONS						
Weather	□ Sunny x Partly Cloudy □Ov	ercast □ Fog					
Tide		coming □ Hig		oing	Tide Heigl	h t: ft.	
Last Rain	$x > 72$ hours $\Box < 72$ hours						
Rainfall	x None $\Box < 0.1$ " $\Box > 0$).1"					
	CHARACTERISTICS						
Odor	x None \Box Musty \Box R	otten Eggs			Sewage	□ Othe	-
Color		rown			Gray		•
Clarity		lightly Cloudy			Gluy		•
Floatables		ubbles/Foam			Fecal Matter		
Deposits		ine Particulates			Oily Deposits		
Vegetation		ormal			Ony Deposits		
Biology		Fish	ls 🗆 Mussels/	□ Inse			
Water Flo	w □ Flowing □ Ponded x Dr	y 🗆 Tidal	Barnacles	Algae	Snail		
			_ _		57/4		
	orm drain flow reach the Receiving Wat] No	x N/A		
	f Overland Flow?	□ Irrigation	Runoff 🗆 Othe	r:			
Photo Tak							
	ning Samples Collected? Yes x No)	NON		0.1		
Water Tem	*		NO3-N (mg/L) COND (mS/cm)		MBAS	PO ₄ (mg/L)	
pH (pH units)			COND (ms/cm)		MDAC	5 (mg/L)	
•	Lab Samples Collected?	x No					
	TIMATION WORKSHEETS						
		ng a Bottle or I	Known Volume			Flowing Pip	
Width	ft Volume	-11	mL		Diameter		ft
Depth	ft Time to F	111	sec		Depth		ft
Velocity Flow	ft/sec Flow		gpm		Velocity Flow		ft/sec gpm
1 10 W	51	I	I		110 W		or
COMMEN	FS: This site (C-B12-9a) was an alternative	used to replace	C-B12-9, which i	is not ac	cessible 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)

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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

Site ID:	<u>CB01-1a</u>	DATE:	6/6/2012		
	LANDMARK	Тіме: <u>0750</u>	<u>)</u>		
OBSERVER:		(G, AM			
PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): <u>OPTIMAL</u>					
ESTIMATED AREA OF ASSESSMENT L x W (FT): <u>50x50</u>					

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

Site Evalua	ation 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.

	nt	은 POTENTIAL ROUTE (CHECK UP TO 2)			POTENTIAL SOURCE (CHECK UP TO 2)							
Түре	Ranking or Count by Type *	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.

SITE ID: <u>CB03-2</u>	DATE: <u>6/6/2012</u>
LOCATION: <u>BLAST FENCE</u>	Тіме: <u>0802</u>
OBSERVER:	<u>KG, AM</u>
PREVIOUS TRASH ASSESSMENT RATING (IF	APPLICABLE): OPTIMAL

50x50

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

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

Site Evalua	ation 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.

	nt	은 POTENTIAL ROUTE (CHECK UP TO 2)			POTENTIAL SOURCE (CHECK UP TO 2)							
Түре	Ranking or Count by Type *	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.

SITE ID:	<u>CB05-3</u>	DATE:	<u>6/6/2012</u>		
LOCATION:	RENTAL CAR PARKING LOT	_ Тіме:	0829		
OBSERVER:	<u>к</u>	<u>G, AM</u>			
PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): OPTIMAL					
ESTIMATED AREA OF ASSESSMENT L X W (FT): <u>50x50</u>					

Amount and Extent of Trash								
EVALUATION OF TR	EVALUATION OF TRASH INCLUDES*: X MS4 RECEIVING WATER BOTH							
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	al 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).							

Site Evalua	ation 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.

	nt		TENTIA HECK			POTENTIAL SOURCE (CHECK UP TO 2)						
Түре	Ranking or Count by Type *	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.

SITE ID:	<u>CB05-4</u>	DATE:	<u>6/6/2012</u>			
	GENERATOR STORAGE YARD	Тіме:	<u>0809</u>			
OBSERVER:	<u>K</u>	<u>G, AM</u>				
PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): OPTIMAL						
ESTIMATED AREA OF ASSESSMENT L X W (FT): <u>50x50</u>						

	Amount and Extent of Trash						
EVALUATION OF TR	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).						

Site Evalua	ation 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.

	nt		TENTIA HECK			POTENTIAL SOURCE (CHECK UP TO 2)						
Түре	Ranking or Count by Type *	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.

SITE ID: <u>CB06-5</u>	DATE: <u>6/6/2012</u>
LOCATION: <u>ATC TOWER</u>	Тіме: <u>0730</u>
OBSERVER:	<u>KG, AM</u>
PREVIOUS TRASH ASSESSMENT RATING (IF	APPLICABLE):OPTIMAL

50x50

ESTIMATED AREA OF ASSESSMENT L X W (FT):

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

Site Evalua	ation 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.

	nt		TENTIA HECK			POTENTIAL SOURCE (CHECK UP TO 2)						
Түре	Ranking or Count by Type *	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.

Site ID: <u>(</u>	<u>B07-6</u>	DATE:	6/6/2012	
LOCATION: <u>A</u>	A Oil Water Seperator	Тім	E: <u>0708</u>	
OBSERVER:		KG, AM		
PREVIOUS TRAS	H ASSESSMENT RATING (IF	APPLICABLE):		Suboptimal

ESTIMATED AREA OF ASSESSMENT L X W (FT): <u>50 x 50</u>

Amount and Extent of Trash							
EVALUATION OF TR	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).						

Site Evalua	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.						

	nt	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
Түре	Ranking or Count by Type *	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.

SITE ID:	CB07-7	DATE:	<u>6/6/2012</u>
LOCATION: West	Wing Parking Lot TIME: _	<u>06:12</u>	
OBSERVER:	KG, AM		
PREVIOUS TRASH	ASSESSMENT RATING (IF AF	PPLICABLE): _	Optimal

ESTIMATED AREA OF ASSESSMENT L X W (FT): <u>50x50</u>

	Amount and Extent of Trash
EVALUATION OF TR	ASH 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).

Site Evalua	ation 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.

	nt	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
Түре	Ranking or Count by Type *	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.

Site ID:	_CB08-8	DATE:	_6/6/2012
LOCATION:	_SW SLIT TRENCH TIME: _	07:21	
OBSERVER:	ĸ	(G, AM	
PREVIOUS TRA	SH ASSESSMENT RATING (IF A	PPLICABLE):_	SUBOPTIMAL

ESTIMATED AREA OF ASSESSMENT L X W (FT): _____50x50_

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

Site Evalua	ation 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.

	nt	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
Түре	Ranking or Count by Type *	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.

SITE ID: <u>CB08-10a (ALTERNATE SITE FOR C</u>	CB09-10)	DATE:	6/6/2012	
LOCATION:T1 PARKING	TIME:	06:55		
OBSERVER:	KG, AM			
PREVIOUS TRASH ASSESSMENT RATING (IF	APPLICAE	BLE):		

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

	Amount and Extent of Trash
EVALUATION OF TR	ASH 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).

Site Evalua	ation 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.

	nt	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
Түре	Ranking or Count by Type *	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.

SITE ID: <u>CB</u>	12-9a (ALTERNATE SITE FOR CB12-9) DATE:6/6/2012
LOCATION: _	_DELTA GATE AREA TIME:0715
OBSERVER: _	KG, AM
PREVIOUS TR	ASH 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								
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).								

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.								

	nt	POTENTIAL ROUTE (CHECK UP TO 2)			POTENTIAL SOURCE (CHECK UP TO 2)							
Түре	Ranking or Count by Type *	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.

MONITORING EVENT 3

(7/6/2012)

San Diego Stormwater Copermittees Dry Weather Monitoring Field Datasheet

x Field Screening Confirmation For]	C/ID F	ollow-Up For		
GENERAL	L SITE DESCR	IPTION	(NAD 8	33 decimal degrees to 5th	n place)	x M	S4 🗆 Ree	ceiving Water
Site ID	CB01-1a		Latitude	(e.g., 33.41174) 32.73283	Wa	Hydrologic U	Init	(e.g., 7.00) 908
Location	Landmark		Longitude	(e.g., -117.35213) -117.17764	Watershed	Hydrologic A	rea	(e.g., 7.10) 908.2
Date	7/6/2012		TB Page	1288 H1		Hydrologic S (Optional)	ubarea	(e.g., 7.11) 908.21
Time	0748		Observer	KG, AM		charge Area tional)		
Land Use (Primary) (Check one only) □ Residential □ Commercial x Industrial □ Agricultural □ Parks □ Open								pen
	(Secondary) greater than 10%	\Box Residential \Box Com	nmercial x I	ndustrial 🗆 Agric	ultural	□ Parks	Open	□ None
Conveyand (Check one	ce	□ Manhole x Catch	Basin 🗆 Ou	ttlet Concrete Channel		Natural □ Ea eek Char	nthen nnel	Curb/Gutter
		TIANG						
	HERIC CONDI							
Weather	□ Sunny □ N/A	□ Partly Cloudy x Over x Low □ Inco				Tido Hoight.	A	
Tide Last Rain		x Low \Box Inco $\Box < 72$ hours	ming 🗆 Higl	n 🗌 Outgoi	ng	Tide Height:	ft.	
Rainfall	x None	$\Box < 0.1$ " $\Box > 0.1$	1"					
	CHARACTERI		1					
Odor			tten Eggs			wage	□ Othe	r
Color		x Yellow						•••••••••••••••••••••••••••••••••••••••
Clarity	x Clear		ghtly Cloudy		_ 01			•••••••••••••••••••••••••••••••••••••••
Floatables	x None		bbles/Foam		□ Fee	cal Matter	🗆 Other	•••••••••••••••••••••••••••••••••••••••
Deposits	□None	□ Sediment/Gravel x Fir	ne Particulates	□ Stains	🗆 Oil	ly Deposits	🗆 Other	
Vegetation	x None		rmal	□ Excessive			🗆 Other	•
Biology	x None	□ Insects □ Algae □ I	Fish 🗆 Snail		Insect/	□ Insect/ Snail	□ Other	•
Water Flo	w 🗆 Flow	ring x Ponded 🗆 Dry	x Tidal		iigue			
Does the st	torm drain flow	reach the Receiving Water	r?	\Box Yes \Box \Box	No x	N/A		
	of Overland Flov			Dunaff 🗆 🗆 Othan				
				Runoff 🗆 Other:				
Photo Tak	en Yes	x No Photo						
Field Scree	ning Samples Co	ollected? x Yes \Box No						
Water Tem	p (°C) 20.16	NH3-N (mg/L)		NO3-N (mg/L)		Ortho-PO) 4 (mg/L)	
pH (pH units)	7.9	TURB (NTU) 209)	COND (mS/cm) 3	7.9	MBAS (m	ng/L)	
Analytical	Lab Samples C	ollected?	x No					
FLOW ES	TIMATION W	ORKSHEETS						
Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing Pipe								
Width		ft Volume		mL		Diameter	/wing I ip	ft
Depth		ft Time to Fill		sec		Depth		ft
Velocity		ft/sec Flow		gpm		Velocity		ft/sec
Flow		gpm				Flow		gpm
COMMEN the Taxiway		This site (C-B01-1a) was a nfirmed seawater	n alternative u	sed to replace C-B0	1-1, due	to reconfigurati	ion of the s	storm drains in

San Diego Stormwater Copermittees Land Use Types for Dry Weather Monitoring

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

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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								
GENERAI	L SITE DESCI	RIPTION	(NAD	83 decimal degrees to	5th place)	x N	IS4 🗆 Rec	eiving Water	
Site ID	CB03-2		Latitude	(e.g., 33.41174) 32.72864	Wa	Hydrologic U	U nit	(e.g., 7.00) 908	
Location	Blast fence		Longitude	(e.g., -117.35213) -117.17843	Watershed	Hydrologic A		(e.g., 7.10) 908.2	
Date	7/6/2012		TB Page	1288 J1	_	Hydrologic S (Optional)	Subarea	(e.g., 7.11) 908.21	
Time	0740		Observer	KG, AM		harge Area ional)			
	Land Use (Primary) (Check one only) Residential Commercial x Industrial Agricultural Parks								
	(Secondary) greater than 109	\square Residential	\Box Commercial x I	Industrial 🗆 Ag	ricultural	□ Parks	Open	□ None	
Conveyand (Check one	ce	Manhole	x Catch Basin 🗆 O	utlet Concre Channel	te 🗆 N Cre		arthen nnel	Curb/Gutter	
ATMOSP	HERIC COND	DITIONS							
Weather		□ Partly Cloudy	x Overcast	5					
Tide	□ N/A	x Low	□ Incoming □ Hig		going	Tide Height:	ft.		
Last Rain	x > 72 hour	s \Box < 72 hours							
Rainfall	x None	□ < 0.1"	□ > 0.1"						
	CHARACTER								
Odor	x None	□ Musty	□ Rotten Eggs			-	🗆 Other		
Color	x None				🗆 Gra	у	Other		
Clarity	x Clear x None		Slightly Cloudy			1.5.6.44			
Floatables	x Indile	□ Trash	□ Bubbles/Foam	□ Sheen		al Matter	□ Other organic material		
Deposits	□ None	Sediment/Gravel	x Fine Particulates	□ Stains	🗆 Oily	y Deposits	🗆 Other		
Vegetation			□ Normal				□ Other		
Biology	x None	□ Insects □ Alg	ae 🗆 Fish 🗆 Snai	ls Mussels/ Barnacles	□ Insect/ Algae	□ Insect/ Snail	□ Other		
Water Flo	w 🗆 Flo	wing x Ponded	□ Dry x Tidal						
Does the st	torm drain flov	w reach the Receivi	ng Water?	□ Yes	x No	N/A			
Evidence o	of Overland Fle	ow? 🗆 Yes	x No 🛛 Irrigation	Runoff 🗆 Othe	er:				
Photo Tak	en 🗆 Yes	x No Phot	o #						
	ning Samples (🗆 No						
Water Tem		NH3-N (m		NO3-N (mg/L)	160	Ortho-PC		ļ]	
pH (pH units)) 7.77	TURB (N	TU) 2.8	COND (mS/cm)	16.8	MBAS (r	ng/L)		
	Analytical Lab Samples Collected? \[Yes x No \]								
		VORKSHEETS							
	Creek or Box		Filling a Bottle or				owing Pipe		
Width Depth			blume me to Fill	mL		Diameter Depth		ft ft	
Velocity		ft/sec Flo		gpm		/elocity		ft/sec	
Flow		gpm				Tlow		gpm	
COMMEN	COMMENTS: <u>Confirmed seawater</u>								

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

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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)						Receiving Water		
Site ID	CB05-3		Latitude	(e.g., 33.41174) 32.73782	₹ Hydrologic Unit	(e.g., 7.00) 908		
Location	Rental car stora	ige area	Longitude	(e.g., -117.35213) -117.18311	Hydrologic UnitHydrologic AreaHydrologic Subare	(e.g., 7.10) 908.2		
Date	7/6/2012		TB Page	1268 H7	EHydrologic Subarc (Optional)	a (e.g., 7.11) 908.21		
Time	0718		Observer	KG, AM	Discharge Area (Optional)			
Land Use (Check one			nmercial x I	ndustrial 🗆 Agricult	ural 🗆 Parks	🗆 Open		
Land Use	(Secondary)	、 □ Residential □ Com	nmercial x I	ndustrial 🗆 Agricult	ural 🗆 Parks 🗆 Open	□ None		
Conveyan		\square Manhole x Catch	Basin □ Oı		□ Natural □ Earthen	Curb/Gutter		
(Check one	e only)			Channel	Creek Channel			
ATMOSP	HERIC CONDI	TIONS						
Weather	🗆 Sunny	□ Partly Cloudy x Over	rcast □ Fog					
Tide	□ N/A	x Low 🗆 Inco	ming 🗌 Hig	h 🗌 Outgoing	Tide Height:	_ft.		
Last Rain		\Box < 72 hours						
Rainfall	x None	$\Box < 0.1$ " $\Box > 0.1$	1"					
	CHARACTERI	ISTICS						
Odor		□ Musty □ Ro	tten Eggs		\Box Sewage \Box (Other		
Color		\Box Yellow \Box Brow	own	□ White	\Box Gray \Box C	Other		
Clarity	x Clear	🗆 Slig	ghtly Cloudy	Opaque		Other:		
Floatables	x None	\Box Trash \Box Bu	bbles/Foam	🗆 Sheen	\Box Fecal Matter \Box C	Other		
Deposits	x None	□ Sediment/Gravel □ Fin	e Particulates	□ Stains	\Box Oily Deposits \Box O	Other		
Vegetation	n x None	\Box Limited \Box No	rmal			Other		
Biology	x None	□ Insects □ Algae □ I	Fish 🗆 Snail	s 🗆 Mussels/ 🗆 In Barnacles Alg		Other		
Water Flo	w 🗆 Flow	ving	🗆 Tidal					
Does the st	torm drain flow	reach the Receiving Water	r?	\Box Yes \Box No	x N/A			
Evidence o	of Overland Flor	w? 🗆 Yes x No	□ Irrigation	Runoff Other				
Photo Tak	en 🗆 Yes	x No Photo #						
Field Scree	ning Samples Co	ollected?	No					
Water Tem	р (°С)	NH3-N (mg/L)		NO3-N (mg/L)	Ortho-PO ₄ (mg/L)		
pH (pH units)	TURB (NTU)		COND (mS/cm)	MBAS (mg/L)			
Analytical	Lab Samples C	ollected?	x No					
FLOW ES	TIMATION W	ORKSHEETS						
Flowing	g Creek or Box (^a ulvert Fillin	g a Bottle or F	Known Volume	Flowing	Pine		
Width		ft Volume		mL	Diameter	ft		
Depth		ft Time to Fill		sec	Depth	ft		
Velocity		ft/sec Flow		gpm	Velocity	ft/sec		
Flow		gpm			Flow	gpm		
COMMEN	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)

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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

San Diego Stormwater Copermittees Dry Weather Monitoring Field Datasheet

x Field Screening Confirmation For IC/ID Follow-Up For						
GENERAI	L SITE DESCRIPTION	(NAD	83 decimal degrees to	5th place)	x MS4	Receiving Water
Site ID	CB05-4	Latitude	(e.g., 33.41174) 32.73063	Wa	Hydrologic Unit	(e.g., 7.00) 908
Location	Generator Storage Area	Longitude	(e.g., -117.35213) -117.18301	Watershed	Hydrologic Area	(e.g., 7.10) 908.2
Date	7/6/2012	TB Page	1288 G1		Hydrologic Subare (Optional)	ea (e.g., 7.11) 908.21
Time	0734	Observer	KG, AM		scharge Area ptional)	
Land Use ((Check one		nmercial x I	ndustrial 🗆 Agr	ricultural	□ Parks	□ Open
	(Secondary) greater than 10%) □ Residential □ Con	nmercial x I	ndustrial 🗆 Agr	ricultural	\Box Parks \Box Open	□ None
Conveyand (Check one	ce Vanhale v Catch	Basin 🗆 O	utlet Concret		Natural Earthen Creek Channel	□ Curb/Gutter
	HERIC CONDITIONS					
Weather	Sunny Partly Cloudy x Over	<u>ب</u>				
Tide	\square N/A x Low \square Inco	ming 🗆 Hig	h 🗌 Outg	oing	Tide Height:	ft.
Last Rain	$x > 72$ hours $\Box < 72$ hours x None $\Box < 0.1$ " $\Box > 0.1$	1 22				
Rainfall	x None $\Box < 0.1$ "CHARACTERISTICS	I				
Odor Odor		tton Eaga	Chamical	□ C .		Othar
		tten Eggs			<u> </u>	Other
Color			White	□ G		Other
Clarity		ghtly Cloudy				Other
Floatables		bbles/Foam e Particulates				Other
Deposits			□ Stains			Other
Vegetation				□ T 4		Other
Biology	x None	Fish 🗆 Shaii	s 🗆 Mussels/ Barnacles	□ Insect Algae	☐ Insect/ □ C Snail	Other
Water Flo	w 🗆 Flowing x Ponded 🗆 Dry	x Tidal				
Does the st	torm drain flow reach the Receiving Wate	r?	□ Yes [] No 🛛	x N/A	
Evidence o	of Overland Flow?	□ Irrigation	Runoff 🗆 Othe	er:		_
Photo Tak						
Field Scree	ning Samples Collected? x Yes 🛛 No					
Water Tem			NO3-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?	x No				
FLOW ES	TIMATION WORKSHEETS					
	g Creek or Box Culvert Fillin	<u>g a Bottl</u> e or l	Known Volume		Flowing	Pipe
Width	ft Volume		mL		Diameter	Ft
Depth	ft Time to Fill		Sec	[Depth	Ft
Velocity	ft/sec Flow		Gpm		Velocity	ft/sec
Flow	gpm				Flow	Gpm
COMMEN	TS: Seawater confirmed					

San Diego Stormwater Copermittees Land Use Types for Dry Weather Monitoring

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

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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

San Diego Stormwater Copermittees Dry Weather Monitoring Field Datasheet

	x Field Screening Confirmation For IC/ID Follow-Up For					
GENERAL	L SITE DESCRIPTION	(NAD	83 decimal degrees to 5th	n place)	x MS4	Receiving Water
Site ID	CB06-5	Latitude	(e.g., 33.41174) 32.73584	Wa	Hydrologic Unit	(e.g., 7.00) 908
Location	Air Traffic Control Tower	Longitude	(e.g., -117.35213) -117.18637	Watershed	Hydrologic Area	(e.g., 7.10) 908.2
Date	7/6/2012	TB Page	1268 G7		Hydrologic Subar (Optional)	ea (e.g., 7.11) 908.21
Time	0656	Observer	KG, AM		charge Area tional)	
Land Use (Check one		nmercial x I	ndustrial 🗆 Agrici	ultural	□ Parks	□ Open
	(Secondary) greater than 10%) □ Residential □ Con	nmercial x I	ndustrial 🗆 Agricu	ultural	□ Parks □ Oper	n 🗆 None
Conveyand (Check one	ce Vanhale v Catch	Basin □ Oı	utlet Concrete Channel		Natural 🗆 Earthen reek Channel	Curb/Gutter
ATMOSP	HERIC CONDITIONS					
Weather Tide Last Rain	SunnyPartly Cloudyx Over N/A x LowInco $x > 72$ hours < 72 hours	ming 🗆 Hig		ng	Tide Height:	ft
Rainfall RUNOFF	x None $\Box < 0.1$ "CHARACTERISTICS	1				
Odor		tten Eggs		□ Se ⁻	wage	Other
Color	x None		□ White		<u> </u>	Other
Clarity	x Clear	ghtly Cloudy	□ Opaque			Other
Floatables	x None 🗆 Trash 🗆 Bu	bbles/Foam	□ Sheen	□ Fe	cal Matter	Other
Deposits		e Particulates	□ Stains	🗆 Oi	y Deposits	Other
Vegetatior						Other
Biology	x None \Box Insects \Box Algae \Box I	Fish □ Snail		Insect/	□ Insect/ □ □ Snail	Other
Water Flo	w □ Flowing x Ponded □ Dry	x Tidal				
Does the s	torm drain flow reach the Receiving Wate	r?	□ Yes x N	Io 🗆	N/A	
Evidence of	of Overland Flow?	□ Irrigation	Runoff \Box Other:			
Photo Tak						
Field Scree	ning Samples Collected? x Yes					
Water Tem			NO3-N (mg/L)		Ortho-PO ₄ (mg/	L)
pH (pH units) 8.2 TURB (NTU)		COND (mS/cm) 5	1.7	MBAS (mg/L)	
Analytical	Lab Samples Collected?	« No				
FLOW ES	TIMATION WORKSHEETS					
	g Creek or Box Culvert Fillin	g a Bottle or I	Known Volume		Flowing	g Pipe
Width	ft Volume		mL		Diameter	ft
Depth	ft Time to Fill		Sec		Depth	ft
Velocity	ft/sec Flow		Gpm		Velocity	ft/sec
Flow	gpm				Flow	gpm
COMMEN	TS: <u>confirmed seawater</u>					

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6. Open

San Diego Stormwater Copermittees Dry Weather Monitoring Field Datasheet

x Field Screening Confirmation For IC/ID Follow-Up For							
GENERAL	L SITE DESCRIPTION	(NAD	83 decimal degrees to 5	5th place)	x M	S4 🗆 Re	ceiving Water
Site ID	CB07-6	Latitude	(e.g., 33.41174) 32.73085	Wa	Hydrologic U	nit	(e.g., 7.00) 908
Location	Oil water separator At American	Longitude	(e.g., -117.35213) -117.19323	Watershed	Hydrologic A	Hydrologic Area	
Date	7/6/2012	TB Page	1288 F1	ned	Hydrologic So (Optional)	ubarea	(e.g., 7.11) 908.21
Time	0624	Observer	KG, AM		charge Area otional)		
Land Use ((Check one		nmercial x I	ndustrial 🗆 Agri	icultural	□ Parks		pen
	(Secondary) greater than 10%)	nmercial x I	ndustrial 🗆 Agri	icultural	□ Parks □	Open	□ None
Conveyand (Check one	ce v Manhole Catch	Basin 🗆 Ot	utlet Concrete Channel		Natural □ Ea: reek Chan		Curb/Gutter
(C. C		
ATMOSP	HERIC CONDITIONS						
Weather	□ Sunny □ Partly Cloudy x Ove	rcast 🛛 Fog					
Tide	\Box N/A x Low \Box Inco	oming 🗆 Hig	h 🗌 Outgo	oing	Tide Height:_	ft.	
Last Rain	$x > 72$ hours $\Box < 72$ hours						
Rainfall	x None $\Box < 0.1$ " $\Box > 0.$	1"					
RUNOFF	CHARACTERISTICS						
Odor	x None \Box Musty \Box Ro	tten Eggs		□ Se	wage	□ Othe	r
Color	x None 🗆 Yellow 🗆 Bro	own	□ White	🗆 Gr	ay	□ Othe	r
Clarity	x Clear	ghtly Cloudy	□ Opaque			□ Othe	r
Floatables	x None 🗆 Trash 🗆 Bu	bbles/Foam	□ Sheen	□ Fe	cal Matter	□ Othe	r
Deposits	x None 🗌 Sediment/Gravel x Fin	e Particulates	□ Stains	x Oi	ly Deposits	□ Othe	r
Vegetation	a x None \Box Limited \Box No	rmal	□ Excessive			□ Othe	r
Biology	x None \Box Insects \Box Algae \Box	Fish 🗆 Snail		□ Insect/ Algae	□ Insect/ Snail	□ Othe	r
Water Flo	w 🗆 Flowing 🗆 Ponded x Dry	🗆 Tidal					
	form drain flow reach the Receiving Wate		□ Yes □	No x	N/A		
	of Overland Flow?		Runoff 🗆 Other				
Photo Tak	en 🗆 Yes x No Photo #						
	ning Samples Collected?						
Water Tem			NO3-N (mg/L)		Ortho-PO		
pH (pH units)) TURB (NTU)		COND (mS/cm)		MBAS (mg	g/L)	
Analytical	Lab Samples Collected?	x No					
FLOW ES	TIMATION WORKSHEETS						
	Creek or Box Culvert Fillin	<u>g a Bottl</u> e or I	Known Volume		Flo	wing Pip	e
Width	ft Volume		mL		Diameter		Ft
Depth	ft Time to Fill		sec		Depth		Ft
Velocity	ft/sec Flow		gpm		Velocity		ft/sec
Flow	gpm				Flow		Gpm
COMMEN	ΓS: <u>Dry</u>						

San Diego Stormwater Copermittees Land Use Types for Dry Weather Monitoring

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

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3. Agricultural

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

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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

San Diego Stormwater Copermittees Dry Weather Monitoring Field Datasheet

(NAD 3) decreme to 50 place) x MS4 Receiving Water Site ID CB07-7 Latitude Site ID CB07-7 Tite Colspan="2">Colspan="2">Site ID Colspan="2">Colspan="2" Hydrologic Clnit Site ID Date Tite Colspan="2" Colspan="2" Hydrologic Subarca IE (SP2-TID) Land Use (Primary) Residential Commercial International (Parks) Open None Convergance Convergance Convergance Convergance Open None Convergance Convergance Convergance Convergance Convergance <th colspa<="" th=""><th></th><th>x Field Screening</th><th>For</th><th></th><th>D Follow-Up For</th><th></th></th>	<th></th> <th>x Field Screening</th> <th>For</th> <th></th> <th>D Follow-Up For</th> <th></th>		x Field Screening	For		D Follow-Up For	
Ste ID CB0/-7 Lattrude 2373000 Figure 1783173 Figure 17831733173 Figure 1783173173173	GENERAL	L SITE DESCRIPTION	(NAD		ace) x MS4		
Date //D 2012 D Prage (280 PT) (200 model) Time 0600 Observer KG, AM Discharge Area (Optional) Land Use (Primary) (Optional, greater than 10%) Residential Commercial x Industrial Agricultural Parks Open Land Use (Secondary) (Optional, greater than 10%) Residential Commercial x Industrial Agricultural Parks Open Conveyance (Check one only) Manhole x Catch Basin Outlet Concrete Channel Creck Channel Curb/Gutter ATMOSPHERIC CONDITIONS Weather Summy Partly Cloudy Nore Curb/Gutter Rainfail x None Onling High Outgoing Tide Height: ft Rainfail x None Con' Rone Con' Rone Con' Chemical Sewage Other Color x None Onif Brown White Gray Other Other Color x None Trash Bubbles/foam Sheen Feed Matter Other Papesits x None Insecti Algae Fish Snails Mussels/ Insect/ Other Biology x None Insecti <	Site ID	CB07-7	Latitude	32.73000	🗧 🛛 Hydrologic Uni	t (e.g., 7.00) 908	
Date //D 2012 D Prage (280 PT) (200 model) Time 0600 Observer KG, AM Discharge Area (Optional) Land Use (Primary) (Optional, greater than 10%) Residential Commercial x Industrial Agricultural Parks Open Land Use (Secondary) (Optional, greater than 10%) Residential Commercial x Industrial Agricultural Parks Open Conveyance (Check one only) Manhole x Catch Basin Outlet Concrete Channel Creck Channel Curb/Gutter ATMOSPHERIC CONDITIONS Weather Summy Partly Cloudy Nore Curb/Gutter Rainfail x None Onling High Outgoing Tide Height: ft Rainfail x None Con' Rone Con' Rone Con' Chemical Sewage Other Color x None Onif Brown White Gray Other Other Color x None Trash Bubbles/foam Sheen Feed Matter Other Papesits x None Insecti Algae Fish Snails Mussels/ Insect/ Other Biology x None Insecti <	Location	West wing parking lot	Longitude	(e.g., -117.35213) -117.19390	E Hydrologic Are	908.2	
Inne 0000 Observer KG, AVI (Oprional) Land Use (Primary) (Check one only) Residential Commercial X Industrial Agricultural Parks Open Land Use (Secondary) (Optional, greater than 10%) Residential Commercial X Industrial Agricultural Parks Open Conveyance (Check one only) Manhole x Catch Basin Outlet Concrete Channel Creek Channel Catboling ATMOSPHERIC CONDITIONS Weather None Partly Cloudy x Overcast Fog Fog Channel Curb/Gutter Rainfall None 017 120.1** Ruster Fog Fog Chemical Swage Other Color x None 0.1* 120.1** Ruster Gray Other Other Color x None Trash Bibbles/Foam Sheen Feeal Matter Other Color x None Insects Algae Fish Stains Other Other Biology x None Insects Algae Fish Stains Other <th>Date</th> <th>7/6/2012</th> <th>TB Page</th> <th>1288 F1</th> <th></th> <th>area (e.g., 7.11) 908.21</th>	Date	7/6/2012	TB Page	1288 F1		area (e.g., 7.11) 908.21	
(Check one only) Residential Commercial x Industrial Agricultural Parks Open Land Use (Secondary) Residential Commercial x Industrial Agricultural Parks Open None Conveyance Manhole x Catch Basin Outlet Concrete Natural Farthen Curb/Gutter ATMOSPHERIC CONDITIONS	Time	0600	Observer	KG, AM			
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 Raitral Earthen Creek Channel Earthen Channel Curb/Gutter ATMOSPHERIC CONDITIONS			nmercial x I	ndustrial 🗆 Agricult	ural 🗆 Parks	□ Open	
Conveyance (Check one only) Manhole x Catch Basin Outlet Natural Earthen Curb/Gutter ATMOSPHERIC CONDITIONS Weather Sunny Partly Cloudy x Overcast Fog Tide NA x Low Innoming High Outgoing Tide Height: ft Last Rain x None < 72 hours Outgoing Tide Height: ft Rainfall x None < 0.1" > 0.1" Outgoing Tide Height: ft Color x None < 0.1" > 0.1" Outgoing Tide Height: ft Color x None < 72 hours Rainfall None Outgoing Tide Height: ft Ruinoff UNOFF CHARACTERISTICS Odor None Insect Other Other Claar Slightly Cloudy Opaque Other Other Other Floatables x None Limited Normal Excessive Other Other Biology x None Insects Algae Fins< Snails N			nmercial x I	ndustrial 🗆 Agricult	ural 🗆 Parks 🗆 O	pen 🗆 None	
ATMOSPHERIC CONDITIONS Weather Summy Partly Cloudy x Overcast Fog Tide N/A X Low Incoming High Outgoing Tide Height: ft Last Rain x > 72 hours < 72 hours < 0.1" Rainfall x None < 0.1" Ruinfall x None < 0.1" ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft ft	Conveyan	ce Vanhala v Catch	Basin □ Oı	ITIAT		(iirb/(iifter	
Weather Sunny Partly Cloudy x Overcast Fog Tide N/A x Low Incoming High Outgoing Tide Height:ft. Last Rain x > 72 hours Carter Outgoing Tide Incoming High Outgoing Tide Height:ft. Rainfall x None Clear > 0.1" None Other Other Color x None Musty Rotten Eggs Chemical Sewage Other Clarity x Clear Slightly Cloudy Opaque Other Other Floatables x None Immedia Normal Steins Oily Deposits Other Vegetation x None Limited Normal Excessive Oily Deposits Other Biology x None Imsects Algae Stains Mussels/ Insect/ Insect/ Other Biology x None Flowing Ponded x Dry Tida Does the storm drain flow reach the Receiving Water? Yes<	(Check one	, only)		Chamier			
Tide N/A x Low Incoming High Outgoing Tide Height: ft. Last Rain x > 72 hours < 72 hours ft. Rainfall x None < 0.1" > 0.1" ft. RUNOF CHARACTERISTICS Odor x None Musty Rotten Eggs Chemical Sewage Other Clarity x Clear Slightly Cloudy Opaque Other Other Ploatables x None Trash Bubbles/Foam Sheen Fecal Matter Other Ploatables x None Imited Normal Excessive Other Other Ploatables x None Imited Normal Excessive Other Other Biology x None Imited Normal Excessive Imsect/ Other Biology x None Immedia Normal Excessive Imsect/ Other Biology x None Imsection Ranceles Algae Snail Snail Water Flow	ATMOSP	HERIC CONDITIONS					
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 Other Floatables x None Trash Bubbles/Foam Sheen Fecal Matter Other Peposits x None Sediment/Gravel Fine Particulates Stains Otypeposits Other Vegetation x None Limited Normal Excessive Other Biology x None Insects Algae Snail Mussels/ Insect/ Other Biology x None Flowing Ponded x Dry Tidal Trace Trace Other Biology x No Photo #	Weather	□ Sunny □ Partly Cloudy x Over	rcast □ Fog				
Rainfall x None <			ming 🛛 Hig	n 🗌 Outgoing	Tide Height:	ft.	
RUNOFF CHARACTERISTICS Odor x None Musty Rotten Eggs Chemical Sewage Other Color x None Pellow Brown White Gray Other Clarity x Clear Slightly Cloudy Opaque Other Other Clarity x None Trash Bubbles/Foam Sheen Fecal Matter Other Ploatables x None Isself Bibbles/Foam Sheen Fecal Matter Other Papesits x None Limited Normal Excessive Other Biology x None Insects Algae Fish Snails Mussels Insect/ Other Biology x None Insects Algae Fish Snails Mussels/ Insect/ Other Biology x None Insects Algae Snails Mussels/ Insect/ Other Biology x None Flowing Ponded x Dry Tidal							
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 Poposits x None Steinent/Gravel Fine Particulates Stains Oily Deposits Other Biology x None Limited Normal Excessive Other Biology x None Insects Algae Fish Snails Mussels/ Insect/ Insect/ Other Biology x None 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 Mo3-N (mg/L) Ortho-PO ₄ (mg/L) MBAS (mg/L)			1"				
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 Clarity x None Clarity Stains Oily Deposits Other Deposits x None Clarity x None Clarity Stains Oily Deposits Other Poposits x None Clarity Algae Fish Stains Oily Deposits Other Biology x None Insects Algae Fish Snails Mussels/ Insect/ Insect/ Other Biology x None Insects Algae Yes No x N/A Evedence of Overland Flow? Yes x No Irrigation Runoff Other:			_		-		
Clarity x Clear Slightly Cloudy Opque Other Floatables x None Trash Bubbles/Foam Sheen Fecal Matter Other Peposits 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/ Insect/ Other Boots 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 # (mg/L) Ortho-PO+ (mg/L) (mg/L) pH (pH units) TURB (NTU) COND (ms/cm) MBAS (mg/L) Imageter Flowing Pipe Width ft Pite to Fill see Flowing Pipe Flowing Pipe Width ft Plow gpm Flow Gpm Velocity ft/see Flow gpm Flow Gpm							
Clarity x Clear Slightly Cloudy Opque Other Floatables x None Trash Bubbles/Foam Sheen Fecal Matter Other Peposits 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/ Insect/ Other Boots 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 # (mg/L) Ortho-PO+ (mg/L) (mg/L) pH (pH units) TURB (NTU) COND (ms/cm) MBAS (mg/L) Imageter Flowing Pipe Width ft Pite to Fill see Flowing Pipe Flowing Pipe Width ft Plow gpm Flow Gpm Velocity ft/see Flow gpm Flow Gpm					Gray		
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/ Insect/ Insect/ Other Biology x None Insects Algae Snails Mussels/ Insect/ Insect/ Other Biology x None 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 #			กับแน่งแก้แน่งและและและและเกิดและ				
Vegetation x None Limited Normal Excessive Other Biology x None Insects Algae Fish Snails Mussels/ Insect/ Insect/ Other Biology x None Insects Algae Fish Snails Mussels/ Insect/ Other Barnacles Algae Snail Mussels/ Insect/ Insect/ Other Barnacles Velocit Algae Photo # Trigation Runoff Other: Mussels/ Insect/ Insect/ Insect/ Insect/ Insect/ Insect/ Insect/ Insect/ Insect/ Insect/ </th <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
Biology x None Insects Algae Fish Snails Mussels/ Insect/ Insect/ 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 #							
Barnacles Algae Snail Water Flow Flowing Ponded x Dry Tidal Does the storm drain flow reach the Receiving Water? 9 es No x N/A Evidence of Overland Flow? Yes x No Irrigation Runoff Other: Photo Taken Yes x No Irrigation Runoff Other: Irrigation Runoff Other: Field Screening Samples Collected? Yes x No MO3-N (mg/L) Ortho-PO4 (mg/L) Irrigation Mater Temp (°C) NH3-N (mg/L) NO3-N (mg/L) Ortho-PO4 (mg/L) Irrigation pH (pH units) TURB (NTU) COND (mS/cm) MBAS (mg/L) Irrigation Analytical Lab Samples Collected? Yes x No Irrigation Science Irrigation Science Flowing Creek or Box Culvert Filling a Bottle or Known Volume MBAS (mg/L) Irrigation Science Irrigation Science Width n Irrigation Science Irrigation Science Irrigation Science Irrigation Science Irrigation Science Flowing Creek or Box Culvert Filling a Bottle or Known Volume Irrigation Science Irrigation Science Irrigation Science </th <th></th> <th></th> <th>-</th> <th></th> <th></th> <th>•</th>			-			•	
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 #	Biology		Fish 🗆 Shail				
Evidence of Overland Flow? Yes x No Irrigation Runoff Other: Photo Taken Yes x No Photo #	Water Flo	w 🗆 Flowing 🗆 Ponded x Dry	🗆 Tidal				
Photo Taken Yes x No Photo # Field Screening Samples Collected? Yes x No Water Temp (°C) NH3-N (mg/L) NO3-N (mg/L) Ortho-PO4 (mg/L) pH (pH units) TURB (NTU) COND (ms/cm) MBAS (mg/L) Analytical Lab Samples Collected? Yes x No FLOW ESTIMATION WORKSHEETS Yes x No Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing Pipe Width ft Yolume mL Depth Filling a Bottle or Known Volume Flowing Pipe Width ft Yolume mL Depth Filling a Bottle or Known Volume Flowing Pipe Flow gpm Volume mL Depth Ft	Does the s	torm drain flow reach the Receiving Wate	r?	\Box Yes \Box No	x N/A		
Photo Taken Yes x No Photo # Field Screening Samples Collected? Yes x No Water Temp (°C) NH3-N (mg/L) NO3-N (mg/L) Ortho-PO4 (mg/L) pH (pH units) TURB (NTU) COND (ms/cm) MBAS (mg/L) Analytical Lab Samples Collected? Yes x No FLOW ESTIMATION WORKSHEETS Yes x No Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing Pipe Width ft Yolume mL Depth Filling a Bottle or Known Volume Flowing Pipe Width ft Yolume mL Depth Filling a Bottle or Known Volume Flowing Pipe Flow gpm Volume mL Depth Ft	Evidence of	of Overland Flow?	□ Irrigation	Runoff 🗌 Other			
Water Temp (°C) NH3-N (mg/L) NO3-N (mg/L) Ortho-PO4 (mg/L) Image: Constant of the sec							
Water Temp (°C) NH3-N (mg/L) NO3-N (mg/L) Ortho-PO4 (mg/L) Image: constraint of the state of the	Field Seree	ning Samples Collected? 🗆 Ves 🔹 v No					
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 Filling a Bottle or Known Volume Flowing Pipe Width ft Depth ft Velocity ft/sec Flow gpm Flow gpm Flow Gpm		~ -		NO3-N (mg/L)	Ortho-PO ₄	mg/[)	
Analytical Lab Samples Collected? Yes x No FLOW ESTIMATION WORKSHEETS Filling a Bottle or Known Volume Flowing Pipe Width ft Volume mL Diameter Ft Depth ft Time to Fill sec Depth Ft Flow gpm Flow gpm Ft							
Flowing Creek or Box CulvertFilling a Bottle or Known VolumeFlowing PipeWidthftVolumemLDiameterFtDepthftTime to FillsecDepthFtVelocityft/secFlowgpmIf/secft/secFlowgpmIntervalueIntervalueGpm	•		x No			<u></u>	
Flowing Creek or Box CulvertFilling a Bottle or Known VolumeFlowing PipeWidthftVolumemLDiameterFtDepthftTime to FillsecDepthFtVelocityft/secFlowgpmIf/secft/secFlowgpmIntervalueIntervalueGpm	FLOW ES	TIMATION WORKSHEETS					
WidthftVolumemLDiameterFtDepthftTime to FillsecDepthFtVelocityft/secFlowgpmVelocityft/secFlowgpmImage: Second Secon			a o Dottlo on L	nown Volumo	Flow	ing Ding	
DepthftTime to FillsecDepthFtVelocityft/secFlowgpmVelocityft/secFlowgpmIIGpmFlow			g a Doule of F				
Velocityft/secFlowgpmVelocityft/secFlowgpmIIIGpm	-						
Flow gpm Gpm	-						
COMMENTS: Dry						Gpm	
COMMENTS: Dry							
	COMMEN	TS: <u>Dry</u>					

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

San Diego Stormwater Copermittees Dry Weather Monitoring Field Datasheet

	x Field Screening Confirmation I	For		D Follow-Up For	
GENERAL	L SITE DESCRIPTION	(NAD 8	33 decimal degrees to 5th pla	ace) x MS4	Receiving Water
Site ID	CB08-8	Latitude	(e.g., 33.41174) 32.73368	¥ Hydrologic Unit	(e.g., 7.00) 908
Location	Southwest Slit Trench	Longitude	(e.g., -117.35213) -117.19673	Water Hydrologic UnitHydrologic AreaHydrologic Subar	(e.g., 7.10) 908.2
Date	7/6/2012	TB Page	1288 F1	EHydrologic Subar(Optional)	ea (e.g., 7.11) 908.21
Time	0640	Observer	KG,AM	Discharge Area (Optional)	
Land Use (Check one		nmercial x I	ndustrial 🗆 Agricult	ıral 🗆 Parks	□ Open
	(Secondary) greater than 10%)	mercial x I	ndustrial 🗆 Agricult	ural 🗆 Parks 🗆 Open	n 🗆 None
Conveyand (Check one	Ce Catch	Basin 🗆 Ou	ttlet Concrete Channel	□ Natural □ Earthen Creek Channel	Curb/Gutter
ATMOSP	HERIC CONDITIONS				
Weather	□ Sunny □ Partly Cloudy x Over	cast □ Fog			
Tide	\Box N/A x Low \Box Inco	ω		Tide Height:	ft.
Last Rain	$x > 72$ hours $\Box < 72$ hours				
Rainfall	x None $\Box < 0.1$ " $\Box > 0.1$	1"			
	CHARACTERISTICS				
Odor		tten Eggs		ę	Other
Color	x None \Box Yellow \Box Brow	own	□ White	□ Gray □	Other
Clarity		ghtly Cloudy	🗆 Opaque		Other
Floatables	x None \Box Trash \Box Bul	obles/Foam	□ Sheen	□ Fecal Matter □	Other
Deposits		e Particulates	□ Stains	□ Oily Deposits □	Other
Vegetation	$\square x \text{ None} \square \text{Limited} \square \text{ None}$	rmal			Other
Biology	x None	Fish	s □ Mussels/ □ In Barnacles Alga		Other
Water Flo	w 🗆 Flowing x Ponded 🗆 Dry	🗆 Tidal			
Does the st	orm drain flow reach the Receiving Water	r?	□ Yes x No	□ N/A	
Evidence of	f Overland Flow? x Yes 🗆 No	□ Irrigation	Runoff x Other: wa	ter from airplane servicing	
Photo Tak	en 🗆 Yes x No Photo #				
	ning Samples Collected? □ Yes x No				
Water Tem			NO3-N (mg/L)	Ortho-PO4 (mg/	L)
pH (pH units)	Lab Samples Collected? Yes x No		COND (mS/cm)	MBAS (mg/L)	
	TIMATION WORKSHEETS				
Flowing	Creek or Box Culvert Filling	g a Bottle or F	Known Volume	Flowing	g Pipe
Width	ft Volume		mL	Diameter	ft
Depth	ft Time to Fill		sec	Depth	ft
Velocity	ft/sec Flow		gpm	Velocity	ft/sec
Flow	gpm			Flow	gpm
COMMEN	FS: 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)

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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.

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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

San Diego Stormwater Copermittees Dry Weather Monitoring Field Datasheet

	x Field Screening 🛛 🗆 Confirmat	□ IC/	□ IC/ID Follow-Up For				
GENERAL	L SITE DESCRIPTION	(NAD	83 decimal degrees to 5th pl	ace) $\mathbf{x} \mathbf{MS4} \square \mathbf{R}$	eceiving Water		
Site ID	CB08-10a (Alternate site for CB09-10)) Latitude	(e.g., 33.41174) 32.72993	¥ Hydrologic Unit	(e.g., 7.00) 908		
Location	T1 Parking Lot	Longitude	(e.g., -117.35213) -117.19748	Hydrologic Unit Hydrologic Area Hydrologic Subarea	(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 (Check one		Commercial x I	ndustrial 🗆 Agricult	ural 🗆 Parks 🗆 🔾	Dpen		
	(Secondary) greater than 10%)	Commercial x I	ndustrial 🗆 Agricult	ural 🗆 Parks 🗆 Open	□ None		
Conveyand (Check one	ce 🗆 Manhala y C	atch Basin 🛛 Ou	utlet Concrete Channel	□ Natural □ Earthen Creek Channel	Curb/Gutter		
ATMOSD	HERIC CONDITIONS						
Weather Tide		Overcast □ Fog Incoming □ Hig	•	Tide Height:ft.			
Last Rain	$x > 72$ hours $\Box < 72$ hours		h 🗌 Outgoing				
Rainfall		> 0.1"					
	CHARACTERISTICS						
Odor		Rotten Eggs			er		
Color		Brown		□ Gray □ Oth			
Clarity		Slightly Cloudy			••••••		
Floatables		Bubbles/Foam		\Box Fecal Matter \Box Othe			
Deposits		Fine Particulates	□ Stains	□ Oily Deposits □ Othe	•••••••		
Vegetation] Normal		□ Oth			
Biology	x None	□ Fish □ Snail		isect/ □ Insect/ □ Othe	er		
Water Flo	w □ Flowing □ Ponded x	Dry 🗆 Tidal	Barnacles Alg	ae Snail			
Does the st	torm drain flow reach the Receiving V	Vater?	□ Yes □ No	x N/A			
Evidence of	of Overland Flow?	No [] Irrigation	Runoff 🗆 Other:				
Photo Tak							
Field Scree	ning Samples Collected?	No					
Water Tem	p (°C) NH3-N (mg/L)		NO3-N (mg/L)	Ortho-PO ₄ (mg/L)			
pH (pH units) TURB (NTU)		COND (mS/cm)	MBAS (mg/L)			
Analytical	Lab Samples Collected?	x No					
FLOW ES	TIMATION WORKSHEETS						
Flowing	Creek or Box Culvert F	illing a Bottle or I	Known Volume	Flowing Pip	pe		
Width	ft Volume		mL	Diameter	Ft		
Depth	ft Time to	o Fill	sec	Depth	Ft		
Velocity	ft/sec Flow		gpm	Velocity	ft/sec		
Flow	gpm			Flow	Gpm		
COMMEN' dry.	TS: This site (C-B08-10a) was an a	Iternative used to re	eplace C-B09-10, whic	h is not accessible due to cons	truction. Site is		

San Diego Stormwater Copermittees Land Use Types for Dry Weather Monitoring (Adopted by the Dry Weather Manitoring Workgroup, April 20, 2004)

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

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San Diego Stormwater Copermittees Dry Weather Monitoring Field Datasheet

	x Field Screening	n For		IC/ID	Follow-	Up For	
GENERAL	SITE DESCRIPTION	(NAD	83 decimal degrees to 5	5th place)		x MS4	Receiving Water
Site ID	CB12-9a (Alternate for CB12-9)	Latitude	(e.g., 33.41174) 32.73516	Wa	Hyd	rologic Unit	(e.g., 7.00) 908
Location	T2 West	Longitude	(e.g., -117.35213) -117.20444	Watershed	Hyd	rologic Area	(e.g., 7.10) 908.2
Date	7/6/12	TB Page	1268 E7	Ied	Hydr (Opt	rologic Subare	ea (e.g., 7.11) 908.21
Time	0633	Observer	KG, AM		ischarge Optional)		
Land Use ((Check one		ommercial x I	ndustrial 🗆 Agri	icultura	l 🗆 Pa	tks	🗆 Open
	(Secondary) greater than 10%)	ommercial x I	ndustrial 🗆 Agri	icultural	l 🗆 Pa	rks □ Open	□ None
Conveyand (Check one	Ce Diana Cata	h Basin 🗆 O	utlet Concrete Channel		□ Natura Creek	l 🗆 Earthen Channel	x Curb/Gutter
ATMOSP	HERIC CONDITIONS						
Weather Tide Last Rain Rainfall		vercast coming Hig		oing	Tide	Height:	<u>_ft.</u>
	CHARACTERISTICS	0.1					
Odor	x None \Box Musty \Box H	Rotten Eggs			Sewage		Other
Color		Brown	□ White	□ (Gray		Other
Clarity		lightly Cloudy	🗆 Opaque				Other
Floatables		Bubbles/Foam			Fecal Ma		Other
Deposits		ine Particulates	□ Stains		Dily Dep		Other
Vegetation		lormal					Other
Biology	x None	□ Fish □ Snail		□ Insec Algae		Insect/	Other
Water Flo	w □ Flowing □ Ponded x D	ry 🗆 Tidal					
Does the st	orm drain flow reach the Receiving Wa	ter?	□ Yes □	No	x N/A		
Evidence o	f Overland Flow?	□ Irrigation	Runoff 🗆 Other	r:			
Photo Tak	en 🗆 Yes x No Photo #						
Field Scree	iing Samples Collected? □ Yes x N	0					
Water Tem	p (°C) NH3-N (mg/L)		NO3-N (mg/L)			Ortho-PO4 (mg/L)
pH (pH units)	TURB (NTU)		COND (mS/cm)]	MBAS (mg/L)	
	Lab Samples Collected? U Yes	x No					
FLOW ES	TIMATION WORKSHEETS						
		ing a Bottle or l		1		Flowing	
Width	ft Volume		mL		Diame	ter	ft
Depth	ft Time to F	111	sec		Depth		ft ft/sec
Velocity Flow	ft/sec Flow gpm		gpm		Veloci Flow	Ly	gpm
COMMEN	FS: This site (C-B12-9a) was an alternative	e used to replace	C-B12-9, which is	s not ac	cessible c	lue to construct	tion. 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

TRASH ASSESSMENT FORMS

Site ID:	<u>CB01-1a</u>	DATE:	<u>7/6/2012</u>
	LANDMARK	Тіме: <u>074</u>	48
OBSERVER:	<u></u> <u>K</u>	<u>G, AM</u>	
PREVIOUS TRA	SH ASSESSMENT RATING (IF A	PPLICABLE):	OPTIMAL
ESTIMATED AR	EA OF ASSESSMENT L X W (FT):50x50	

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

Site Evalua	ation 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.

	POTENTIAL ROUTE (CHECK UP TO 2)			POTENTIAL SOURCE (CHECK UP TO 2)								
Түре	Ranking or Count by Type *	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.

SITE ID: <u>CB03-2</u>	Date: <u>7/6/2012</u>
LOCATION: <u>BLAST FENCE</u>	Тіме: <u>0740</u>
OBSERVER:	<u>KG, AM</u>
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 Вотн On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated X Optimal area is closely examined for litter and debris. On first glance, little or no trash visible. After close inspection small levels of trash (~10-Suboptimal 50 pieces) evident in evaluated area. Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area □ Marginal contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present. Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter □ Submarginal and debris (>100- 400). Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present. Site is significantly impacted by trash. Evidence of trash accumulation behind a □ Poor constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

Site Evalua	ation 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.

		POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)							
Түре	Ranking or Count by Type *	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.

SITE ID:	<u>CB05-3</u>	DATE:	7/6/2012									
LOCATION:	RENTAL CAR PARKING LOT	Тіме	: <u>0718</u>									
OBSERVER:	<u></u>	<u>G, AM</u>										
PREVIOUS TRA	PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE):SUBO <u>PTIMAL</u>											
ESTIMATED AR	EA OF ASSESSMENT L X W (FT): <u>50x5</u>	i <u>0</u>									

	Amount and Extent of Trash										
EVALUATION OF TRASH INCLUDES*: X MS4 RECEIVING WATER BOTH											
On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluate area is closely examined for litter and debris.											
x Suboptimal	n first glance, little or no trash visible. After close inspection small levels of trash (~10- 0 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).										

Site Evalua	ation 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.

t		POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)							
Түре	Ranking or Count by Type *	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.

SITE ID:	<u>CB05-4</u>	DATE:7 <u>/6/</u>	2012								
	GENERATOR STORAGE YARD	Тіме:0)734								
OBSERVER:	KG	, AM									
PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE):OPTIMAL											
ESTIMATED AR	EA OF ASSESSMENT L X W (FT):	<u>50x50</u>									

	Amount and Extent of Trash										
EVALUATION OF TR	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 evaluate 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).										

Site Evalua	ation 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.

		POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)							
Түре	Ranking or Count by Type *	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.

SITE ID: <u>CB06-5</u>	DATE: <u>7/6/2012</u>
LOCATION: <u>ATC TOWER</u>	Тіме: <u>0656</u>
OBSERVER:	<u>KG, AM</u>
PREVIOUS TRASH ASSESSMENT RATING (IF	APPLICABLE):OPTIMAL

50x50

ESTIMATED AREA OF ASSESSMENT L X W (FT):

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

Site Evalua	ation 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.

t		POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)							
Түре	Ranking or Count by Type *	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.

SITE ID: <u>CB07-6</u>	DATE:7 <u>/6/2012</u>	-
LOCATION: <u>AA Oil Water Se</u>	perator TIME: <u>0624</u>	
OBSERVER:	<u>KG, AM</u>	
PREVIOUS TRASH ASSESSMENT	RATING (IF APPLICABLE): <u>Suboptimal</u>	

ESTIMATED AREA OF ASSESSMENT L X W (FT): <u>50 x 50</u>

Amount and Extent of Trash							
EVALUATION OF TR	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).						

Site Evalua	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.						

	nt		TENTIA HECK				F		TIAL S CK UP	OURC TO 2)	E	
Түре	Ranking or Count by Type *	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.

SITE ID:	_CB07-7	DATE:	7/6/2012
LOCATION: West	t Wing Parking Lot TIME: _	0600	
OBSERVER:	KG, AM		
PREVIOUS TRASH	ASSESSMENT RATING (IF AF	PPLICABLE): _	Optimal

ESTIMATED AREA OF ASSESSMENT L X W (FT): <u>50x50</u>

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).					

Site Evalua	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.						

	nt		TENTIA HECK				F		TIAL S CK UP	OURC TO 2)	E	
Түре	Ranking or Count by Type *	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.

SITE ID:	_CB08-8	DATE:	_7/6/2012			
LOCATION:	SW SLIT TRENCH TIME:	0640				
OBSERVER:	P	<g, am<="" th=""><td></td></g,>				
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 Вотн On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated x Optimal area is closely examined for litter and debris. On first glance, little or no trash visible. After close inspection small levels of trash (~10-Suboptimal 50 pieces) evident in evaluated area. Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area □ Marginal contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present. 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, □ Submarginal bottles, food wrappers, blankets, or clothing present. Site is significantly impacted by trash. Evidence of trash accumulation behind a □ Poor constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

Site Evalua	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.							

	nt		TENTIA HECK				F		TIAL S CK UP	OURC TO 2)	E	
Түре	Ranking or Count by Type *	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.

SITE ID: CB08-10a (ALTERNATE SITE FOR CB09-10)						
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).								

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.							

	nt	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
Түре	Ranking or Count by Type *	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.

SITE ID: <u>CB</u>	12-9a (ALTERNATE SITE FOR CB12-9) DATE:7/6/2012
LOCATION: _	DELTA GATE AREA TIME:0633
OBSERVER: _	KG, AM
PREVIOUS TR	ASH 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).								

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.								

	nt	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
Түре	Ranking or Count by Type *	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.


Appendix D

FY11-12 Wet Weather Sampling Results





(October 5, 2011)

									Res	sults				
Analyte	Analytical Procedure	Dilution	Units	Reporting Limit	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
pН	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 ¹	6.4 ^k	390 ^m	280^{1}	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°	180 ⁿ	830°	820°	58 ⁿ	62 ⁿ	810°
Total Petroleum	Hydrocarbons (1	(PH)												
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											-			<u> </u>
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

Compliance Sites Analytical Results

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

San Diego International Airport Stormwater Sampling 2011-2012

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

Sample ID	Median Grain Size,		Cumulative Percent Greater Than (Distribution percent, microns)										
Sample 1D	micron	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	

(November 4, 2011)

Compliance Sites Analytical Results

										Res	sults					
Analyte	Analytical Procedure	Dilution	Units	Reporting Limit	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 Hydroc	arbons (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

San Diego International Airport Stormwater Sampling 2011-2012

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
рН	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

Sample ID	Median Grain Size,		Cumulative Percent Greater Than (Distribution percent, microns)											
Sample 1D	Grain Size, micron	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		

(November 12, 2011)

Analytical Procedure	Dilution	Units	Reporting Limit	Results S-B06-12 11-12-11
EPA 405.1	1	mg/l	2.00	ND
EPA 410.4	1	mg/l	0.100	ND
EPA 120.1	1	µmhos/cm	0.100	50.6
EPA 1664	1	mg/l	2.00	ND
EPA 150.1	1	pH Units	0.100	7.14
EPA 160.2	1	mg/l	1.00	ND
EPA 200.8	1	μg/L	100	ND
EPA 200.8	1	μg/L	3.0	8.8
EPA 200.8	1	mg/l	0.050	1.80
EPA 200.8	1	μg/L	2.0	ND
EPA 200.8	1	μg/L	6.0	8.6
EPA 200.8	1	μg/L	3.0	4.8
EPA 200.8	1	μg/L	6.0	6.4
EPA 8015B	1	mg/l	200.0	ND
	Procedure EPA 405.1 EPA 410.4 EPA 120.1 EPA 150.1 EPA 1664 EPA 160.2 EPA 200.8 EPA 200.8	Procedure Dilution EPA 405.1 1 EPA 410.4 1 EPA 120.1 1 EPA 1664 1 EPA 150.1 1 EPA 160.2 1 EPA 200.8 1	Procedure Dilution Units EPA 405.1 1 mg/l EPA 410.4 1 mg/l EPA 120.1 1 µmhos/cm EPA 1664 1 mg/l EPA 150.1 1 pH Units EPA 160.2 1 mg/l EPA 200.8 1 µg/L EPA 200.8 1 µg/L	Procedure Dilution Units Limit EPA 405.1 1 mg/l 2.00 EPA 410.4 1 mg/l 0.100 EPA 120.1 1 µmhos/cm 0.100 EPA 1664 1 mg/l 2.00 EPA 1664 1 mg/l 2.00 EPA 160.2 1 pH Units 0.100 EPA 160.2 1 mg/l 1.00 EPA 200.8 1 µg/L 3.0 EPA 200.8 1 µg/L 6.0 EPA 200.8 1 µg/L 6.0 EPA 200.8 1 µg/L 6.0

Notes:

ND = Non Detect

Sample ID	Median Grain Size,		Cumulative Percent Greater Than (Distribution percent, microns)										
Sample 1D	micron	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.										

(November 20, 2011)

					Res	ults
Analyte	Analytical Procedure	Dilution	Units	Reporting Limit	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
pН	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

Somula ID	Median Grain Size,		Cumulative Percent Greater Than (Distribution percent, microns)										
Sample ID	micron	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.										

(December 12, 2011)

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
pН	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

Sample ID	Median Grain Size,		Cumulative Percent Greater Than (Distribution percent, microns)										
Sample 1D	micron	5%	10%	16%	25%	40%	50%	60%	75%	84%	90%	95%	
S-B06-12-12-11	N/A		Below detection limits: insufficient concentration for analysis.										