San Diego County Regional Airport Authority

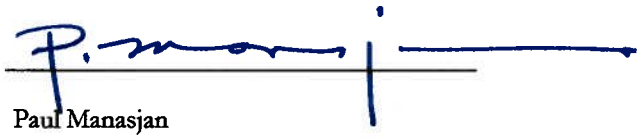
Fiscal-Year 2010-2011 Annual Illicit Discharge Detection and Ellimination Report

December 2011

Statement of Certification for the Fiscal Year 2010-2011 Annual Report for the Illicit Discharge Detection and Elimination Component of The Airport Authority Storm Water Management Program

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

Date: December 12, 2011

Signature: 

Printed Name: Paul Manasjan

Title: Director, Environmental Affairs Department

SAN DIEGO COUNTY REGIONAL AIRPORT AUTHORITY

INTER-OFFICE COMMUNICATION

Date: June 27, 2003

To: Thella F. Bowens
President/CEO

From: Ted Sexton
Vice President, Operations

Subject: Authorization to Sign National Pollutant Discharge Elimination System (NPDES) Documents

---

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

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

Thella F. Bowens
President/CEO
San Diego County Regional Airport Authority

30 June '03
Date

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

SAN DIEGO INTERNATIONAL AIRPORT

Municipal Stormwater Permit

Fiscal Year 2010-2011 Annual IDDE Report

Table of Contents

Appendices

Fiscal Year 2010-2011 Annual Report for the Illicit Discharge Detection and Elimination Component of the Airport Authority Storm Water Management Program

1 INTRODUCTION

The San Diego County Regional Airport Authority (Authority) submits this Fiscal Year 2010-2011 Annual Report for the Illicit Discharge Detection and Elimination Component of the Airport Authority Storm Water Management Program (FY10-11 Annual IDDE Report) in compliance with Addendum 2 to California Regional Water Quality Control Board, San Diego Region (RWQCB), Order No. R9-2007-0001, National Pollutant Discharge Elimination System (NPDES) Permit No. CAS0108758, Waste Discharge Requirements for Discharges of Urban Runoff from the Municipal Separate Storm Sewer Systems (MS4s) Draining the Watersheds of the County of San Diego (County), the Incorporated Cities of San Diego County, the San Diego Unified Port District, and the San Diego County Regional Airport Authority (the Municipal Permit). Addendum 2 was adopted in September of 2008 and modified Section J.3.a of the Municipal Permit to require that, beginning 2008, the annual report containing the comprehensive description of all activities conducted to meet Section D.4 of the Permit be submitted on December 15 of each year and that the report cover the dry season of May 1 through September 30 of that year. In following the reporting outline created by the Copermittees, which puts illicit discharge detection and elimination (IDDE) in the same chapter as other monitoring efforts, this report describes specific stormwater management activities related to IDDE conducted by the Authority during the dry weather season of 2011 (May 1 through September

30) and the wet weather monitoring conducted during the period of July 1, 2010 to June 30, 2011 (fiscal year 2010-2011). 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 FY10-11 Annual IDDE Report presents a compilation of the Authority's stormwater illicit discharge detection and elimination management efforts as well as the Authority's wet weather monitoring program in the following order:

1 Introduction

2 Public Reporting of Illicit Discharges and Connections

3 Spill Reporting, Response, and Prevention

- 3.1 IDDE Reporting and Response
- 3.2 Sanitary Sewage Spill Prevention and Response
- 3.3 Used Oil and Toxic Materials Disposal

4 Urban Runoff Monitoring

- 4.1 Dry Weather Monitoring
- 4.2 Airport Wet Weather Monitoring

5 Follow-up and Enforcement

6 Program Review and Modification

The report has been prepared by the Authority Environmental Affairs Department with the assistance of the Facilities Management Department, the Landside Operations Department, the Airside Operations Department, the Facilities Development Department, and the Real Estate Management Department. These departments are responsible for the implementation of the 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 FY10-11, there were a total of 124 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 124 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.

During the wet season (October 1 - May 31) the Environmental Affairs Department conducts monthly inspections of the entire facility and the above-ground portions of the MS4 during rain events that occur during daylight hours. These inspections are designed to identify unauthorized stormwater discharges and to ensure that BMPs are being implemented properly and operating as designed. The Environmental Affairs Department also conducts visual observations of non-stormwater discharges on a quarter-annual basis. The information in Table 1 highlights the regular inspection activities conducted by the Environmental Affairs Department during the reporting period.

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

TABLE 1 - IDDE MS4 INSPECTION AND MONITORING CONDUCTED DURING FY10-11

Date	Inspection Element
Sept. 7-9, 2010	Quarterly Authorized/Unauthorized Non-Stormwater Discharge Monitoring
Dec. 14 & 16, 2010	Quarterly Authorized/Unauthorized Non-Stormwater Discharge Monitoring
Dec. 29, 2010	Monthly Wet Weather Visual Observations – samples collected
Feb. – March 2011	Quarterly Authorized/Unauthorized Non-Stormwater Discharge Monitoring /AUDIT
May 3-4, 2011	Quarterly Authorized/Unauthorized Non-Stormwater Discharge Monitoring
May 6, 2011	Dry Weather Monitoring (2011 Dry Weather Season)
May 17, 2011	Monthly Wet Weather Visual Observations
June 6, 2011	Dry Weather Monitoring (2011 Dry Weather Season), sampling and follow up to 5/6/11 sampling event
August 1, 2011	Dry Weather Monitoring (2011 Dry Weather Season)
August 8, 2011	Dry Weather Monitoring (follow-up to 8/1/11 sampling event)

3.1 IDDE REPORTING AND RESPONSE

Appendix A presents information on the 124 IDDE events which were identified during an 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 categories shown in Table 2. The nature and disposition of all 124 IDDE incidents noted in Table 2 are presented in Appendix A.

TABLE 2 - SUMMARY OF IDDE INCIDENTS BY CATEGORY AS REPORTED DURING FY10-11*

Incident Category	Number of Incidents*
Improper Storage	54
Trash Spill - Airside	31
Petroleum Spill - Airside	23
Sewage/Triturator	11
Construction Maintenance	2
Petroleum Spill - Landside	2
Trash Spill - Landside	1

*See Appendix A for detailed descriptions of each incident.

The most frequently reported type of incident was improper storage, comprising 44% of the total (31% in FY09-10). This issue is partially related to a lack of indoor storage area available for use by airport tenants. The Authority continues to focus education opportunities on this issue in order to improve implementation of proper best management practices related to material and waste storage.

Incidents related to trash and non-petroleum spills that occurred on the airside were the second most frequently reported type of IDDE event, comprising 25% of the total (24% in FY09-10). The "Trash-Spill Airside" IDDE category has been one of the most frequently reported issues for many of the last eight fiscal years. This trend is related to the Authority's (and the entire aviation community's) concern for trash and debris on the airside as serious threats to the safe operation of a jet engine. Therefore, people working on the airside are keenly aware of issues involving trash and debris. Another reason for the trend is that several of the Solid Waste Disposal Areas are on the airside, which increases the chances that a "trash or non-petroleum spill" will occur on the airside.

Petroleum spills on the airside were the third most frequently reported type of IDDE event, comprising aproximately 19% of the total. Approximately 400,000 gallons of jet fuel are transferred from tanker trucks to aircraft every day. The number of petroleum spill reports reflects the sensitivity of Authority staff and airport tenants to the fire hazard and environmental concerns associated with these types of spills. The majority of these spills are less than five gallons and all spills are cleaned up immediately.

The sewage/triturator related IDDE issues listed in Table 2 comprise approximately 9% of the total, which is just 2% higher than the past two fiscal years. These incidents are discussed in Section 3.2 below.

Construction maintenance incidents and petroleum spills that occurred on the landside represented approximately 2% while issues of trash spills on the landside represented less than 1%. Relevant aspects of any significant spills or releases are discussed below in Section 5.

3.2 SANITARY SEWAGE SPILL PREVENTION AND RESPONSE

Section 6.5 of the SWMP identifies those controls that the Authority has implemented to limit infiltration from the sanitary sewer system into the stormwater conveyance system and to prevent and respond to sewage spills. As noted in Table 2 above and as detailed in Appendix A, there were 11 IDDE incidents related to sewage at SDIA during the reporting period, as compared to 10 in the last fiscal year. Four of these incidents specifically involved 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. The triturator is housed in a covered and bermed building in order to ensure that no sewage is discharged outside the actual sewer connection point. Sewage is emptied from the aircraft into mobile lavatory trucks and then into the sewer system at the triturator via a connection hose. Of the four IDDE incidents that involved the triturator three involved lavatory truck hoses/caps that had not been properly drained and caused leaking of lavatory waste outside of the triturator. The other incident was an actual spill of lavatory waste in front of the triturator. None of these events impacted the stormwater conveyance system.

Of the seven remaining IDDE sewage incidents that did not involve the triturator, four involved leaks/spills of lavatory waste on the ramp from aircraft or lavatory waste trucks. The other three incidents involved sewage leaks from buildings or the sanitary sewer line on the airside. Each of these issues was addressed immediately, the spills cleaned up, and the problems corrected. None of these seven 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. When asked or necessary, the Authority provides information to tenants to help facilitate their own disposal needs. Additionally during FY10-11, the Authority hosted electronic and universal waste collection events on August 26, 2010, January 21, 2011, and April 29, 2011. 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 FY10-11, a portion of which includes the universal waste collected at the electronic and universal waste collection events.

TABLE 3 - HAZARDOUS WASTES DISPOSED OF BY THE AUTHORITY DURING FY10-11

Description of Waste	Quantity Disposed
Hazardous Waste, Solid	40 lbs
Hazardous Waste, Corrosive Liquid	5 gal
Hazardous Waste, Aerosols, Flammable	30 lbs
Hazardous Waste, Flammable Liquid (Paints and Thinners)	300 gal
Asbestos and Non-friable Waste	2370 lbs
Non-RCRA Hazardous Waste, Solid (Absorbent, Soil, Toner, and Debris)	151840 lbs
Non-RCRA Hazardous Waste, Solid (Oily Debris and/or Diesel)	2800 lbs
Non-RCRA Hazardous Waste, Liquid	9600 gal
Non-Hazardous Waste, Solid (Soil)	2725 lbs
Non-Hazardous Waste, Liquid (Rinse Water)	3600 gal
Waste Flammable Solid, Organic	587 lbs
Universal Waste (mercury switches only)	3 lbs

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 FY10-11 is presented below.

4.1 DRY WEATHER MONITORING

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

The dry weather monitoring program allows the Authority to characterize dry weather flows at SDIA, to eliminate illegal discharges and illicit connections, and to help identify pollutants of concern (POCs). The Authority's dry weather monitoring program utilizes monitoring, sample analysis, and data interpretation procedures consistent with those developed by the Copermittees. The program features designated monitoring locations and frequencies, field screening/sampling procedures, data interpretation techniques, and follow-up investigation and reporting procedures. The Permit requires the Authority to perform dry weather monitoring at least once between May 1 and September 30 each year. However, over the last six seasons, the Authority has increased the number of monitoring events to three each season and has timed some of these events to coincide with dry weather sampling being conducted by the Port of San Diego and the City of San Diego on the same day. This coordinated monitoring is done in order to more effectively identify potential illicit discharges that may cross jurisdictional boundaries and better facilitate upstream source identification.

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

During the 2011 dry weather monitoring season, three dry weather monitoring events were conducted on May 6, 2011, June 6, 2011, and August 1, 2011. During each event, field screening was conducted at each of the 10 monitoring sites. Locations of the 10 sites are shown in Appendix B. Due to the construction activities associated with the Green Build project (west of the existing Terminal 2 and the entire Terminal 2 parking lot), and due to reconfigurations of storm drains in the Taxiway Charlie area, three alternate sites were used during the 2011 dry season monitoring (namely C-B01-1a, C-B12-9a, and C-B08-10a). Field measurements were performed on each site that had sufficient water to sample. 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 field measurement results indicated the sample was likely seawater (i.e., with high conductivity), further field screening was not conducted and the sample was not sent to the laboratory for analysis. Otherwise, samples underwent complete field screening and any exceedances of action levels were noted. All observations and field screening results were recorded on the dry weather monitoring field datasheets (see Appendix C), and samples exhibiting field screening action level exceedances were sent to the laboratory for analysis.

During the 2011 dry weather monitoring season, three samples were screened for the full suite of field analytes, all from the June 6 event, with only one sample (from site C-B08-8) exhibiting exceedances, and consequently being sent to the laboratory for analysis. Activities at each monitored site are summarized in Table 4 below.

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), notes the potential POCs identified as a result of sampling and analysis, and notes

whether a follow up investigation was conducted. For each of the dry weather monitoring events the field data sheets and analytical data reports are presented in Appendix C.

TABLE 4 - DRY WEATHER MONITORING PROGRAM SAMPLE SITES DURING FY10-11

Site ID	Site Description	Dates Observed	Was There Sufficient Water to Sample at Time of Observation? (Y/N)	Type of Analyses (S, F, L)(a)	Potential Pollutant(s) of Concern Identified	Follow-Up Investigation Conducted? (Y/N)
C-B01-1a(b)	Landmark Aviation	5/6/2011	Y	S	–	N
		6/6/2011	Y	F	–	N
		8/1/2011	Y	S	–	N
C-B03-2	Blast Fence	5/6/2011	Y	S	–	N
		6/6/2011	Y	S	–	N
		8/1/2011	Y	S	–	N
C-B05-3	Rental Car	5/6/2011	N	N/A	–	N
		6/6/2011	N	N/A	–	N
		8/1/2011	N	N/A	–	N
C-B05-4	Generator Storage	5/6/2011	Y	S	–	N
		6/6/2011	Y	S	–	N
		8/1/2011	Y	S	–	N
C-B06-5	Air Traffic Control	5/6/2011	N	N/A	–	N
		6/6/2011	Y	F	–	N
		8/1/2011	N	N/A	–	N
C-B07-6	Oil Water Separator	5/6/2011	N	N/A	–	N
		6/6/2011	N	N/A	–	N
		8/1/2011	N	N/A	–	N
C-B07-7	West Wing Parking Lot	5/6/2011	N	N/A	–	N
		6/6/2011	N	N/A	–	N
		8/1/2011	N	N/A	–	N
C-B08-8	Southwest Slit Trench	5/6/2011	N	N/A	–	Y
		6/6/2011	Y	F, L	Ammonia, MBAS, Dissolved Copper, Dissolved Zinc	Y
		8/1/2011	N	N/A	–	N

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-B12-9a(c)	Delta Gate	5/6/2011	N	N/A	–	N
		6/6/2011	N	N/A	–	N
		8/1/2011	N	N/A	–	N
C-B08-10a(d)	T1 Parking	5/6/2011	N	N/A	–	N
		6/6/2011	N	N/A	–	N
		8/1/2011	N	N/A	–	N

S = Sample conductivity suggested seawater and no further analyses were conducted.

F = Field measurements conducted.

L = Laboratory analyses conducted.

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

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.

C-B08-10a is the alternate site for C-B09-10, which is not accessible due to the Terminal Development Project (TDP) construction.

Based on field screening results, two follow-up investigations (June 6, 2011, and August 8, 2011) were conducted at Site C-B08-8. Site C-B08-8 is a slit trench that runs around the gate areas of Terminal 1.

Field screening at Site C-B08-8 on May 6, 2011, indicated that ponded water in the slit trench had a brownish color and a chemical-like odor. It was suspected that the ponded water was likely from potable water flushed from a hose delivering water to the airplanes.

The first follow-up investigation was conducted on June 6, 2011, to further investigate any potential source of illicit discharges. During the June 6 event, visual observations and field measurements were conducted. A sample was also collected and sent to the laboratory for analysis. Visual observations and field observations indicated no abnormal characteristics (e.g., color, odor, etc.), however field measurements indicated exceedances of ammonia and MBAS. Analytical results showed that dissolved copper and dissolved zinc exceeded the benchmarks. There had been a trace of rainfall within the previous 72 hours, so the water was likely from that or from the general practice of ramp crews flushing potable water hoses before filling the plane, which may have carried pollutants present on the pavement into the slit trenches, resulting in the dissolved copper and dissolved zinc exceedances.

The BMP implemented to mitigate this source is to allow the water to evaporate on the ramp, and to not allow it to reach the storm drain system. Table 5 shows the analytical results and their corresponding benchmarks.

A second follow-up investigation at Site C-B08-8 was conducted on August 8, 2011, during which several small pools of water were observed in the slit trench. The ponded water did not appear to show abnormal characteristics (e.g., color, odor, etc.), and none of the pools contained enough water to be sufficient for a sample to be collected. Therefore, no samples were collected.

Field measurements, analytical results and Copermittee action levels are presented in Table 5 below.

TABLE 5 - MONITORING AND SAMPLING RESULTS

Analyte	Unit	Copermittee Action Level	Results		
			C-B01-1a	C-B06-5	C-B08-8
			6/6/2011	6/6/2011	6/6/2011
Field Screening					
Temperature	°C	Best Professional Judgment	22	21.8	23.5
pH	pH unit	<6.5 or >9.0	7.7	7.00	7.4
Conductivity	mS/cm	Best Professional Judgment	0.9	0.9	1.19
Turbidity	NTU	Best Professional Judgment	43.6	36	7
Orthophosphate-P	mg/L	2.0	<0.1	<1	<0.1
Nitrate-N	mg/L	10.0	N/A	<5	0
Ammonia-N	mg/L	1.0	<1	Inconclusive	<10
MBAS	mg/L	1.0	<0.75	1	>3
Laboratory Analysis					
Oil and Grease	mg/L	15	N/A	N/A	ND
Dissolved Cadmium	ug/L	California Toxics Rule, Action Level = 19(1)	N/A	N/A	ND

Analyte	Unit	Copermittee Action Level	Results		
			C-B01-1a	C-B06-5	C-B08-8
			6/6/2011	6/6/2011	6/6/2011
Dissolved Copper	ug/L	California Toxics Rule, Action Level = 47(1)	N/A	N/A	53
Dissolved Lead	ug/L	California Toxics Rule, Action Level = 350(1)	N/A	N/A	ND
Dissolved Zinc	ug/L	California Toxics Rule, Action Level = 361(1)	N/A	N/A	870
Total Coliform	MPN/100 mL	50,000	N/A	N/A	3,300
Fecal Coliform	MPN/100 mL	20,000	N/A	N/A	20
Enterococcus	MPN/100 mL	10,000	N/A	N/A	180
Diazinon	ug/L	0.5	N/A	N/A	ND
Chlorpyrifos	ug/L	0.5	N/A	N/A	ND

Results in bold exceeded the action levels.

N/A = Not applicable.

(1)Action Levels are calculated based on the reported Total Hardness of 377 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 77% of our sites received optimal ratings during all three monitoring events and none of the sites received a rating that was below suboptimal 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 (NPDES Permit No. CAS000001) 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 the alternate locations) and listed in Table 4. 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 the program. Only one of these sites (S-B06-12, the trend analysis site) was monitored and sampled in FY10-11.

The results of the FY10-11 wet weather monitoring program were detailed by MACTEC Engineering and Consulting, Incorporated, in a report entitled "Draft 2010-2011 Storm Water Sampling Summary Report," dated June 2011. In FY10-11, 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 the 2010-2011 season, leaving only one location (S-B06-12, the trend analysis site) to be monitored and sampled. The FY10-11 wet weather season resulted in a total rainfall of 12.28 inches at SDIA, which is more than the annual total average rainfall of 10.2 inches. During the FY10-11 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 six storms.

TABLE 6 - FY10-11 SAMPLED STORM EVENT SUMMARY

Event	Date	Total Rainfall (inches)	Event Duration (hours)
1	12/19/2010	2.24	50
2	12/29/2010	0.29	7
3	1/2/2011	0.26	12
4	2/16/2011	0.16	4
5	2/26/2011	0.88	24
Total Rainfall from Monitored Events		3.38	

COMPLIANCE SAMPLING

The compliance sampling element of the program was completed during the first two storm events of the season, which occurred December 19 and December 29, 2010. The sample volumes collected during each sampling event were sufficient to complete all sample analyses. A total of 20 compliance samples were collected over the two storm events at 10 sampling sites. A summary of the results, showing median, maximum, and minimum values, along with the coefficient of variance, is presented in Table 7.

TABLE 7 - FY10-11 COMPLIANCE SAMPLING ANALYTICAL RESULTS SUMMARY

Pollutant of Concern	Units	Median	Coefficient of Variance (%)	Maximum Value	Minimum Value	Number of Samples
Ammonia as N	mg/L	1.20	43.9	2.85	0.75	20
BOD	mg/L	9.1	79.6	23	ND[(a)]	20
COD	mg/L	26.9	96.7	107	2.1	20
SC	µmhos/cm	96.5	48.2	219	45.9	20
Oil & Grease	mg/L	1.0	41.5	2.7	ND[(a)]	20
pH	pH Units	7.07	5.5	8.15	6.62	20
TSS	mg/L	6.5	91.6	32	ND[(a)]	20
Aluminum, Total	µg/L	255	203.9	7400	34	20
Copper, Total	µg/L	49.5	74.9	170	16	20
Iron, Total	µg/L	430	179.9	7200	48	20
Lead, Total	µg/L	2.15	156.9	28	ND[(a)]	20
Zinc, Total	µg/L	78	93.9	520	49	20
Copper, Dissolved	µg/L	21.5	101.3	150	2.7	20
Zinc, Dissolved	µg/L	49.5	125.6	490	8.0	20
Ethylene Glycol	mg/L	5	0	ND[(a)]	ND[(a)]	20
Propylene Glycol	mg/L	5	0	20.7	ND[(a)]	20
MBAS	mg/L	0.12	54.0	0.17	ND[(a)]	20
Diesel Range Organics (C10-C24)	mg/L	0.025	0	ND[(a)]	ND[(a)]	20
Jet-A	mg/L	0.025	180.8	0.85	ND[(a)]	20
Oil Range Organics (C22-C36)	mg/L	0.36	76.8	1.0	ND[(a)]	20

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

Table 8 shows a comparison of the median concentrations for the compliance sampling program POCs to the benchmarks concentrations, as well as the number of benchmark exceedances that occurred. The origin of the benchmark values is discussed in the Wet Weather Monitoring Program described in Appendix D-2 of the SWMP. BOD, COD, SC, oil and grease, pH, total suspended solids, total lead and ethylene glycol did not exceed the benchmarks. Total copper had an exceedance frequency of 100% and dissolved copper had an exceedance frequency of 65%. The remaining POCs exceeded the benchmarks in 30% or less of the samples. These results are consistent with historical data for POCs at SDIA.

TABLE 8 - COMPARISON OF FY10-11 COMPLIANCE SAMPLING RESULTS TO ANALYTE BENCHMARKS

Pollutant of Concern (units)	Median Concentration[(a)]	Benchmark	No. of Analyses	No. of Exceedances	Exceedance Frequency(%)
Ammonia-N (mg/L)	1.20	2.14	20	2	10
BOD (mg/L)	9.10	30	20	0	0
COD (mg/L)	26.9	120	20	0	0
Specific Conductivity (µmhos/cm)	96.5	900	20	0	0
Oil & Grease (mg/L)	1	15	20	0	0
pH (pH unit)	7.19	6.0 - 9.0	20	0	0
TSS (mg/L)	6.5	100	20	0	0
Aluminum, Total (µg/L)	255	750	20	4	20
Copper, Total (µg/L)	49.5	14	20	20	100
Copper, Dissolved (µg/L)	21.5	14	20	13	65
Iron, Total (µg/L)	430	1,000	20	2	10
Lead, Total (µg/L)	2.15	82	20	0	0
Zinc, Total (µg/L)	78	120	20	6	30
Zinc, Dissolved (µg/L)	49.5	120	20	3	15
Ethylene Glycol (mg/L)	5	100	20	0	0

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

BMP EFFECTIVENESS SAMPLING

The source identification sampling and BMP effectiveness monitoring efforts are designed to help assess the need for changes in the stormwater management program at the airport. Continued future sampling efforts are designed to identify POC sources and evaluate the effectiveness of BMP implementation. The BMP effectiveness element of the wet weather monitoring program is designed as a six-year study, with the first three years dedicated to study calibration and the following three years designed to evaluate the implementation of various of 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 2009-2010 season was the fourth year of the calibration period. Again, during the 2010-2011 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 (SM

2560 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 2010-2011 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 and 2010-2011).

TABLE 9 - BMP EFFECTIVENESS SAMPLING ANALYTICAL RESULTS SUMMARY, 2006-2011

Pollutant of Concern	Units	Median	Coefficient of Variance (%)	Maximum Value	Minimum Value	Number of Samples
BOD	mg/L	14.8	83.9	84.0	ND[(a)]	113
COD	mg/L	40.0	81.0	218	ND[(a)]	113
SC	µmhos/cm	118	235	4,390	39	113
Oil & Grease	mg/L	1.0	53.4	4.00	ND[(a)]	113
pH	pH Units	7.0	7.52	8.92	5.5	113
TSS	mg/L	5.0	131	91.0	ND[(a)]	113
Aluminum, Total	µg/L	140	171	5,200	ND[(a)]	113
Copper, Total	µg/L	30.0	91.5	330	5.4	113
Iron, Total	µg/L	170	170	6,000	ND[(a)]	113
Lead, Total	µg/L	1.0	177	55.5	ND[(a)]	113
Zinc, Total	µg/L	100	72.7	560	14	113
Copper, Dissolved	µg/L	18.0	81.9	120	2.9	113
Zinc, Dissolved	µg/L	63.0	76.8	320	2.4	113
Ethylene Glycol	mg/L	5.0	49.6	29.1	ND[(a)]	113
Propylene Glycol	mg/L	5.0	101	58.0	ND[(a)]	113

(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 in the field 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 FY10-11 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 fourth year the results of a complete dry weather season monitoring program have been presented in a single report and the third 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 2010-2011 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

FY10-11 Illicit Discharge Dectection and Elimination Report Log

---

FY10-11 IDDE Report Log

Subject	Date	Description	Resolution Method
Trash-Spill Airside	7/3/10	Water leaking from grease trap.	Notified tenant. No storm drains affected.
Construction Maintenance	8/15/10	Water leak from construction activities.	Maintenance and construction plumber notified.
Trash-Spill Airside	9/8/10	Leaking lavatory chemical container stored outside without lid.	Email sent to station manager who spoke with staff to address issues. Lid was provided for container.
Trash-Spill Airside	9/8/10	Outdoor trash can without lid.	Email sent to station manager who spoke with staff to address the issues. Lid was provided for trash can.
Improper Storage	9/9/10	Food waste containers stored outdoors without proper secondary containment.	Email sent to tenant, food waste buckets were moved under cover and put on an elevated rack.
Improper Storage	9/9/10	Lid left open on outdoor grease bin.	Email sent to tenant, grease bin lid was closed, and Email sent to staff reminding them of proper outdoor storage methods.
Improper Storage	9/9/10	Outdoor trash can without lid.	Email sent to station manager and trash can was moved indoors.
Improper Storage	9/9/10	Drip pan that was not in use was left outside without any secondary containment.	Email sent to tenant. Drip pan was moved to an elevated area that was under cover.
Improper Storage	9/9/10	Outdoor trash can without lid.	Email sent to tenant. Lid was restored to trash can and Email sent to staff to remind them of the need for lids.
Improper Storage	9/9/10	Outdoor trash can without lid.	Email sent to tenant. Trash can without lid was moved indoors and staff were educated about proper BMPs.
Trash-Spill Airside	9/9/10	Outdoor trash can without lid.	Email to tenant. Trash can was removed from the area.
Trash-Spill Airside	9/9/10	Soapy water from mopping was observed being dumped onto the ground.	Email sent to tenant. Indoor sink was fixed and staff were reminded of proper disposal methods.
Trash-Spill Airside	9/9/10	Two trash collection areas had become messy and needed to be cleaned.	Email sent to tenant. Areas were cleaned immediately and efforts to improve operations in those areas were initiated.
Sewage/Triturator	9/17/10	Lavatory spill at gate. No storm drains in area.	Tenant collected with absorbent material and Maintenance notified to scrub area.
Petroleum-Spill/Airside	9/30/10	Spill on west ramp after truck-to-truck transfer. No storm drains in area.	Tenant collected with absorbent material.
Trash-Spill/Airside	10/2/10	Water spigot damaged and leaking water.	Maintenance notified and spigot repaired.
Improper Storage	10/7/10	No lid on outdoor lavatory chemical drum.	Email sent to tenant. Staff informed that lid must be left on, and this was confirmed with a visual inspection.
Improper Storage	10/7/10	Two drums left outdoors without proper secondary containment.	No owner identified. Drums were removed by Authority contractor for proper disposal.
Improper Storage	10/7/10	Drums stored outdoors without overhead cover.	Contractor was contacted to provided tarps to cover drums until they could be disposed of.
Petroleum-Spill/Landside	10/18/10	Airport Loop bus leaking diesel fuel in front of terminal.	Authority contractor notified.
Sewage/Triturator	11/12/10	Lav servicing truck leaking 'blue juice.'	Tenant Notified
Sewage/Triturator	11/12/10	Lav spill in front of triturator.	Recommended lav truck operations refresher course to driver. Authority contractor contacted for cleanup.
Construction Maintenance	11/27/10	Water overflowing from water tanks in parking lot construction area.	Contractor notified.
Petroleum-Spill/Airside	12/3/10	Small fuel spill at ramp.	Tenant immediately treated with absorbent material.
Trash-Spill/Landside	12/8/10	Fire hydrant damaged by truck and gushing water.	Maintenance and City Water Department notified.
Improper Storage	12/14/10	Outdoor trash can without lid.	Email sent to tenant. Tenant removed can.
Improper Storage	12/14/10	Trash can without lid.	Email sent to tenant and tenant restored lid to can.
Trash-Spill Airside	12/14/10	Broken sand bags around storm drain need to be cleaned up and disposed of properly.	Staff spoke with tenant about proper BMP maintenance. Contractor called in to clean up area and replace BMP.
Petroleum-Spill Airside	12/14/10	Absorbent needed for oil staining under plane.	Email sent to tenant and tenant had area cleaned.
Petroleum-Spill Airside	12/14/10	Fuel truck was observed with fresh staining underneath.	Email sent to tenant. Tenant used absorbent to clean up the leak and mechanic inspected truck for the source of the leak and addressed the problem.
Improper Storage	12/16/10	Overflowing trash bin with bag of absorbent material spilling on the ground.	Sent email to tenant and tenant resolved issue.
Improper Storage	12/16/10	Containers of cleaning material stored on the ground without secondary containment.	Sent email to tenant and tenant resolved issue.
Improper Storage	12/16/10	Trash container without lid.	Sent email to tenant and tenant resolved issue.
Improper Storage	12/16/10	Over flowing trash container without lid.	Sent email to tenant and tenant resolved issue.
Improper Storage	12/16/10	Absorbent material spilled on ground.	Sent email to tenant and tenant resolved issue.
Improper Storage	12/16/10	Improperly stored oil cans outside without overhead cover.	Email sent to tenant. Tenant addressed issue with sub tenant and cans were moved to proper location.
Trash-Spill Airside	12/16/10	Spilled absorbent material on ground.	Email sent to the tenant. Area was cleaned.
Improper Storage	12/16/10	Outdoor trash can without lid.	EAD sent email to the tenant and trash can was removed from outdoor area.
Trash-Spill Airside	12/16/10	Trash accumulation on ground around trash compactor.	Email sent to tenant. Tenant cleaned area.
Trash-Spill Airside	12/16/10	Trash accumulation around outdoor grease bin.	Email sent to tenant. Tenant cleaned area.
Sewage/Triturator	12/23/10	Sewage Spill.	Authority contractor notified.
Sewage/Triturator	12/24/10	Spill from Lav cart.	Operator directed to have cart inspected. Air Opps called Authority contractor.
Trash-Spill/Airside	12/26/10	De-icing fluid on tarmac.	Tenant notified and area cleaned.
Trash-Spill/Airside	12/28/10	Tenant reports flooding in gate area.	Plumber notified.

FY10-11 IDDE Report Log

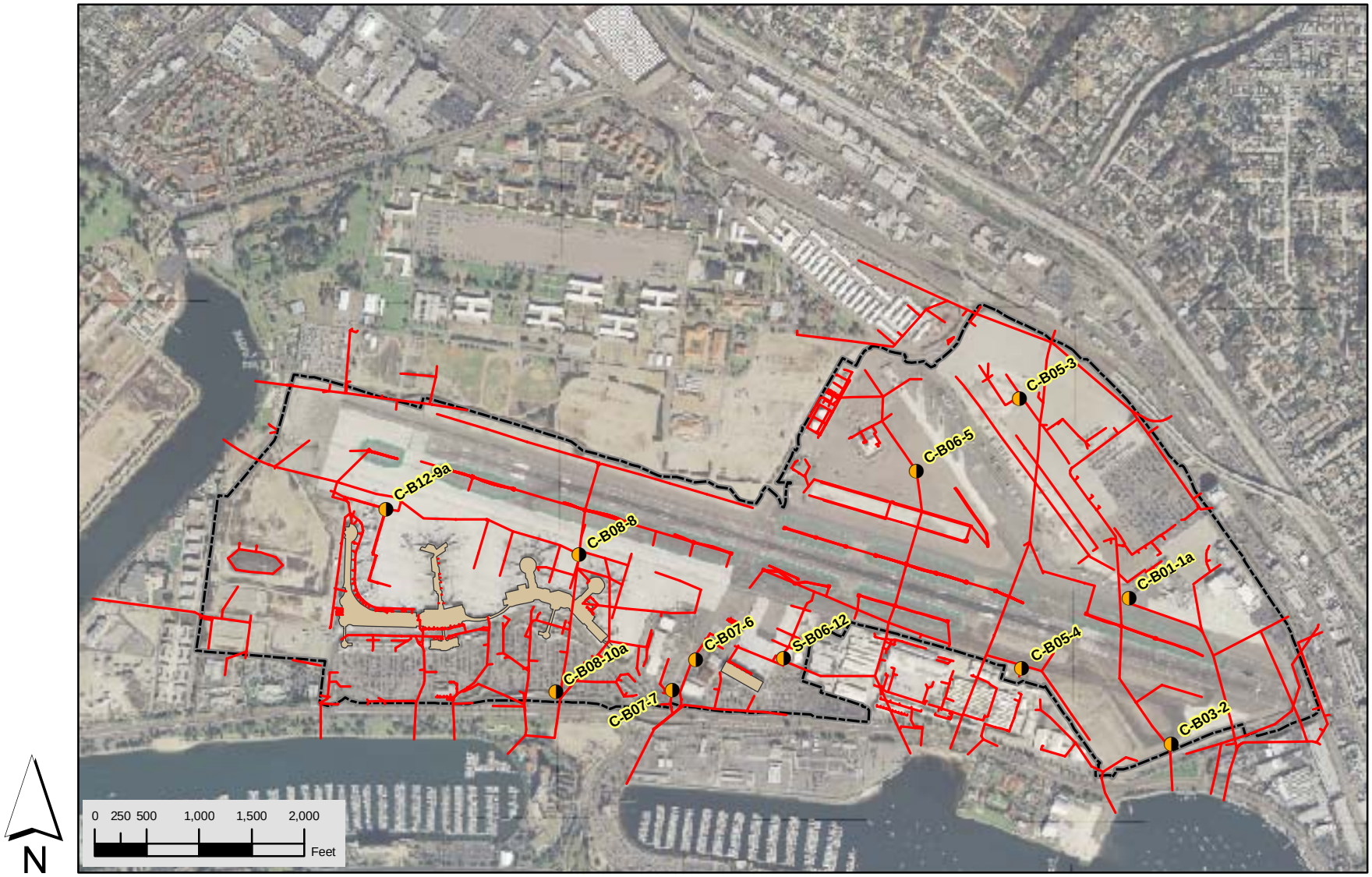
Petroleum-Spill/Airside	1/15/11	Diesel spill near gate from GSE parked earlier in the evening.	Approximately 2 gallons of fuel cleaned up by tenant and Maintenance. No storm drains affected.
Improper Storage	2/21/11	Old tank that is no longer in use is stored on a wooden pallet without cover.	Email sent to tenant. Tank was removed from property.
Trash-Spill/Airside	2/21/11	A hydrant was found leaking causing water to discharge to the storm drain.	Email sent to tenant. The hydrant was fixed to stop leak.
Improper Storage	2/22/11	Tires improperly stored outdoors.	Email sent to tenant. Tires were appropriately disposed of.
Improper Storage	2/22/11	Trash/sediment accumulation in operational area.	Email sent to tenant. Area was swept.
Improper Storage	2/22/11	Gasoline container stored outdoors without proper secondary containment.	Email sent to tenant. Gasoline containers were removed from site and vendor was advised on appropriate storage of flammable materials.
Improper Storage	2/22/11	Larger cover needed over waste oil tank or move to more protected area to prevent filling with rain water.	Email sent to tenant. Structural integrity of waste oil tank has been verified and tank was serviced. Continued monitoring will be conducted.
Improper Storage	2/22/11	Outdoor dumpsters did not have covers.	Email sent to tenant and dumpster was removed from site.
Petroleum-Spill Airside	2/22/11	Fueling trucks had minor leaking and require maintenance at values.	Email sent to tenant. Drip pans were placed under trucks until maintenance could be performed. Mechanic addressed minor leak and fixed.
Improper Storage	2/23/11	Covers needed for dumpsters used to transport trash removed from aircrafts.	Email sent to tenant and open top dumpster will not be used in the future.
Petroleum Spill Landside	2/23/11	Private vehicle leaking gasoline in employee parking.	Notified SDCRAA Maintenance/Ground Transportation/LPI. No storm drains affected.
Improper Storage	2/24/11	Outdoor trash container without lid.	Email sent to tenant. Tenant confirmed daily disposal of waste to prevent overflow.
Improper Storage	2/24/11	Old equipment needs to be properly contained.	Email sent to tenant. Tenant confirmed that equipment is not being used and will be removed from Airport property.
Petroleum-Spill Airside	2/24/11	Tug carts leaking oily liquid.	Email sent to tenant and leak was addressed.
Trash-Spill/Airside	2/24/11	Water leak rampside near gate.	Plumber notified.
Improper Storage	2/28/11	Outdoor trash container without lid.	Email sent to tenant. Tenant confirmed all buckets and receptacles on the ramp have now been covered .
Improper Storage	2/28/11	Inoperable equipment stored outside of maintenance shop without proper secondary containment.	Email sent to tenant. Tenant scheduled maintenance for inoperative equipment.
Improper Storage	3/1/11	Inoperable equipment stored outside without proper secondary containment.	Email sent to tenant. Inoperable equipment was removed.
Improper Storage	3/1/11	Significant materials stored without secondary containment.	Email sent to tenant. Tenant provided proper containment for materials.
Improper Storage	3/2/11	Leaking equipment.	Email sent to tenant. Tenant worked with vendor to have area cleaned.
Improper Storage	3/2/11	Outdoor trash container without lid.	Email sent to tenant. Tenant provided cover for container.
Improper Storage	3/2/11	Scrap metal stored outdoors without any cover or containment.	Email sent to tenant. Tenant provided appropriate containment for metal.
Improper Storage	3/2/11	Properly dispose of any wood pallets no longer in usable condition.	Email sent to tenant. Tenant confirmed that pallet storage on site is kept to a minimum.
Improper Storage	3/2/11	Improper storage of materials outside.	Email sent to tenant. Tenant removed items from outside.
Improper Storage	3/3/11	Inoperable equipment stored outside needs to be disposed of.	Email sent to tenant. Item was removed.
Improper Storage	3/3/11	Unused equipment stored outdoor needs to be disposed of or proper secondary containment.	Email sent to tenant. Tenant confirmed that surplus equipment will be removed.
Petroleum-Spill Airside	3/3/11	Improper fueling procedures observed.	Email sent to tenant. Tenant instructed all fuelers on proper procedures.
Improper Storage	3/4/11	Equipment that is no longer in use needs to be properly disposed of in a timely manner.	Email sent to tenant. Equipment will be kept on site for occasional use but liquids will not be stored in it.
Petroleum-Spill Airside	3/4/11	Oil spots and drip pans were found under equipment.	Email sent to tenant. Area was cleaned and equipment was removed.
Sewage/Triturator	3/4/11	Lavatory truck hoses not completely drained at the triturator and causing some dripping on the ramp.	Email sent to tenant. Item was corrected.
Trash-Spill Airside	3/7/11	FOD observed in tenant operational area.	Email sent to tenant. Tenant cleaned area.
Improper Storage	3/8/11	Inoperable equipment needs to be properly stored or disposed of.	Email sent to tenant. Tenant removed extra equipment.
Improper Storage	3/8/11	Outdoor dumpster did not have proper cover.	Email sent to tenant. Cover was provided for trash receptacle.
Petroleum-Spill Airside	3/10/11	Fresh oil stains were observed in equipment and vehicle parking area.	Email sent to tenant. Equipment was inspected, personnel were briefed on proper practices, and did necessary follow up.
Trash-Spill Airside	3/10/11	Outdoor dumpsters and trash cans did not have proper cover.	Email sent to tenant. Ramp personnel ensured carts were emptied and/or covered at all times
Improper Storage	3/11/11	Improper storage of waste materials.	Email sent to tenant. Waste was properly managed or disposed of.
Improper Storage	3/11/11	Lavatory chemicals and soap stored outside without proper secondary containment.	Email sent to tenant. Proper secondary container was provided.
Sewage/Triturator	3/11/11	Lavatory truck hoses not completely drained.	Email sent to tenant. Proper procedures were reviewed with employees.
Trash-Spill/Airside	3/11/11	Equipment in maintenance area was leaking.	Email sent to tenant. Need maintenance and clean up was performed.
Trash-Spill/Airside	3/12/11	Advised tenant that trash on back of cabin service truck needs to property stored or disposed of.	Tenant notified and trash disposed.
Petroleum-Spill/Airside	3/13/11	Fuel spill from unknown source at gate. Estimated 3-5 gallons on ramp and unknown amount entered storm drain.	Authority contractor notified.

FY10-11 IDDE Report Log

Improper Storage	3/15/11	Outdoor recycling dumpster without lid.	Email sent to tenant. Lid for the dumpster was ordered.
Improper Storage	3/15/11	Equipment that is no longer in use needs to be properly disposed of or covered.	Email sent to tenant. Equipment was evaluated and appropriate pieces were disposed of.
Petroleum-Spill Airside	3/15/11	Fresh oil stain observed underneath equipment stored outside.	Email sent to tenant. Oil was properly cleaned and disposed of.
Improper Storage	3/16/11	Improper containment of wastes.	Email sent to tenant. Wastes are now properly covered and stored.
Petroleum-Spill Airside	3/17/11	Observed maintenance performed outside and fresh oil spots beneath equipment.	Email sent to tenant. Items were corrected.
Sewage/Triturator	3/19/11	Spill occurred when cap was removed to empty lav truck at trituator.	Ramp supervisor advised and will address situation. Authority contractor notified.
Petroleum-Spill/Airside	3/24/11	Catering truck spilled approximately less than 1/2 gallon hydraulic fluid near gate.	Tenant responded to clean-up, no storm drains affected, truck taken off-site for service.
Petroleum-Spill/Airside	3/28/11	Leak on upper hose nozzle while fueling aircraft.	Tenant used absorbent material to contain 1-3 gallon spill. No storm drains affected.
Petroleum-Spill/Airside	4/1/11	Approximately 5 gallons of fuel released from right wing of aircraft.	Tenant cleaned fuel spill at gate. No storm drains affected.
Sewage/Triturator	4/11/11	Report of sewage on ramp due to backup in lower rotunda restrooms.	Notified Authority contractor.
Improper Storage	4/12/11	A container for waste liquids was stored outdoors without lid.	Email sent to tenant. Container was removed.
Improper Storage	4/12/11	Oil can stored outdoors without proper secondary containment.	Email sent to tenant. Tenant confirmed that item was properly stored.
Improper Storage	4/12/11	Drums outdoors without proper containment.	Email sent to tenant. More appropriate temporary storage was established.
Trash-Spill Airside	4/12/11	Improperly stored/contained waste materials outdoors	Email sent to tenant. Wastes were properly disposed of.
Trash-Spill Airside	4/12/11	Trash bags left on the ramp with no containment.	Email sent to tenant. Tenant properly disposed of trash.
Petroleum-Spill/Airside	4/21/11	Fuel spill at gate from aircraft and fuel truck.	Authority contractor notified. No storm drains affected.
Trash-Spill Airside	5/3/11	Trash carts were leaking onto the ramp.	Email sent to tenant. Tenant cleaned area and fixed carts that had leaks.
Improper Storage	5/4/11	Outdoor trash container with no lid.	Email sent to several tenants. No responsible party was identified, but the cart was emptied and removed by unknown party.
Improper Storage	5/4/11	Outdoor overflowing trash cart with no lid.	Email sent to several tenants. No responsible party was identified, but the cart was emptied and removed by unknown party.
Improper Storage	5/4/11	Food grease can was stored outdoors without any secondary containment.	Email sent to tenant. Tenant properly stored container and instructed employees on proper practices.
Trash-Spill Airside	5/4/11	Outdoor trash accumulation in operational area.	Email sent to tenant. Tenant swept and power washed the area.
Trash-Spill Airside	5/4/11	Outdoor trash accumulation in operational area.	Email sent to tenant. Tenant had the area swept.
Trash-Spill Airside	5/4/11	Leaking outdoor trash cart.	Email sent to tenant. New trash bins were ordered.
Trash-Spill Airside	5/4/11	Outdoor trash container with no lid.	Email sent to tenant. Tenant reviewed proper practices with employees.
Trash-Spill Airside	5/4/11	Grime around the base of the outdoor grease bin.	Sent email to tenant. Tenant powerwashed the area.
Trash-Spill Airside	5/4/11	Leaking trash on the ramp.	Tenant called immediately to stop the leaking. Tenant cleaned the area and put measures in place to prevent
Trash-Spill/Airside	5/4/11	Observed outdoor hand washing with soap and, soapy water was being discharged onto the ground.	Sent email to tenant. Employees were told not to wash hands outdoors and area is being monitored.
Sewage/Triturator	5/12/11	Airline reports sewage coming up from drain under jetway.	Notified maintenance plumber and Authority contractor.
Sewage/Triturator	5/13/11	Flooding in T1E rotunda restrooms.	Plumbers and Authority contractor notified.
Trash-Spill/Airside	5/15/11	Report of water leak at loading bridge.	Maintenance notified.
Improper Storage	6/2/11	Outdoor trash container with no lid.	Email sent to tenant. Lid was replaced.
Petroleum-Spill Airside	6/2/11	Fresh staining and absorbent that needs to be swept up.	Email sent to tenant. Area was cleaned up.
Petroleum-Spill Airside	6/2/11	Hydraulic fluid staining on lead in line.	Email sent to tenant. Lead in line was cleaned.
Trash-Spill/Airside	6/13/11	Report of water coming up from the drain at Gate 3 ramp side.	Notified Maintenance & Plumber.
Petroleum-Spill Airside	6/14/11	Fresh oil stain underneath equipment.	Email sent to tenant. Tenant had equipment fixed to stop leak.
Petroleum-Spill Airside	6/14/11	Tug cart was leaking oil.	Email sent to tenant. Tenant removed cart from service for maintenance.
Petroleum-Spill Airside	6/14/11	Leaking equipment on the ramp.	Email sent to tenant. Tenant confirmed that oil was cleaned up and equipment was repaired.
Petroleum-Spill/Airside	6/14/11	Equipment leaking coolant fluid on ramp.	Issues was discussed with tenant in person at time of observation. Equipment was fixed and the coolant was cleaned up.
Improper Storage	6/28/11	Improper storage of materials outdoors.	Email sent to tenant. Tenant properly stored or disposed of all items.

Appendix B

2010 - 2011
Sampling Locations Map



Storm Drain System and Sampling Locations

San Diego International Airport

Appendix C

2011 Dry Weather Monitoring Field Data Sheets, Trash Assessment Forms and Lab Reports

Dry Weather Monitoring Event 1

(5-6-11)

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

Site ID	CB01-1a	**Latitude**	(e.g., 33.41174) 32.73283	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Landmark	**Longitude**	(e.g., -117.35213) -117.17764		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	5/6/2011	**TB Page**	1288 H1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	07:39	**Observer**	KG, AM		**Discharge Area** (Optional)	

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

Land Use (Secondary) (Optional, greater than 10%): Residential | Commercial | x Industrial | Agricultural | Parks | Open | None

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

ATMOSPHERIC CONDITIONS

Weather: Sunny | Partly Cloudy | Overcast | x Fog

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

Last Rain: x > 72 hours | < 72 hours

Rainfall: x None | < 0.1" | > 0.1"

RUNOFF CHARACTERISTICS

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

Water Flow: Flowing | Ponded | Dry | x Tidal

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

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

Photo Taken x Yes | No **Photo #** **Video taken instead**

Field Screening Samples Collected? Yes | x No

Water Temp (°C)		NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)		TURB (NTU)		COND (mS/cm)	25	MBAS (mg/L)	

Analytical Lab Samples Collected? Yes | x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

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

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

Site ID	CB03-2	**Latitude**	(e.g., 33.41174) 32.72864	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Blast fence	**Longitude**	(e.g., -117.35213) -117.17843		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	5/6/2011	**TB Page**	1288 J1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0730	**Observer**	KG, AM		**Discharge Area** (Optional)	

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

Land Use (Secondary) (Optional, greater than 10%): Residential | Commercial | x Industrial | Agricultural | Parks | Open | None

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

ATMOSPHERIC CONDITIONS

Weather: Sunny | Partly Cloudy | Overcast | x Fog

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

Last Rain: x > 72 hours | < 72 hours

Rainfall: x None | < 0.1" | > 0.1"

RUNOFF CHARACTERISTICS

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

Water Flow: Flowing | Ponded | Dry | x Tidal

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

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

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

Field Screening Samples Collected? Yes | x No

Water Temp (°C)		NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)		TURB (NTU)		COND (mS/cm)	28	MBAS (mg/L)	

Analytical Lab Samples Collected? Yes | x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

COMMENTS: **Confirmed seawater**

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

Site ID	CB05-3	**Latitude**	(e.g., 33.41174) 32.73782	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Rental car storage area	**Longitude**	(e.g., -117.35213) -117.18311		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	5/6/2011	**TB Page**	1268 H7		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	0647	**Observer**	KG, AM		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open	
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open	None
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel	Curb/Gutter

ATMOSPHERIC CONDITIONS

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

RUNOFF CHARACTERISTICS

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

Water Flow Flowing Ponded x Dry Tidal

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

Evidence of Overland Flow? Yes x No Irrigation Runoff x Other: watering truck used for dust suppression

Photo Taken x Yes No **Photo #** **3 photos taken**

Field Screening Samples Collected? Yes x No

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

Analytical Lab Samples Collected? Yes x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

COMMENTS: **No evidence of water, multiple BMPs installed in and over drain.**

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

Site ID	CB05-4	**Latitude**	(e.g., 33.41174) 32.73063	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Generator Storage Area	**Longitude**	(e.g., -117.35213) -117.18301		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	5/6/2011	**TB Page**	1288 G1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	07:14	**Observer**	KG, AM		**Discharge Area** (Optional)	

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

Land Use (Secondary) (Optional, greater than 10%): Residential | Commercial | x Industrial | Agricultural | Parks | Open | None

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

ATMOSPHERIC CONDITIONS

Weather: Sunny | Partly Cloudy | Overcast | x Fog

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

Last Rain: x > 72 hours | < 72 hours

Rainfall: x None | < 0.1" | > 0.1"

RUNOFF CHARACTERISTICS

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

Water Flow: Flowing | Ponded | Dry | x Tidal

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

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

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

Field Screening Samples Collected? Yes | x No

Water Temp (°C)		NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)		TURB (NTU)		COND (mS/cm)	24	MBAS (mg/L)	

Analytical Lab Samples Collected? Yes | x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		Sec
Flow		Gpm

Flowing Pipe

Diameter		Ft
Depth		Ft
Velocity		ft/sec
Flow		Gpm

COMMENTS: **Seawater confirmed**

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

Site ID	CB06-5	**Latitude**	(e.g., 33.41174) 32.73584	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Air Traffic Control Tower	**Longitude**	(e.g., -117.35213) -117.18637		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	5/6/2011	**TB Page**	1268 G7		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	08:05	**Observer**	KG, AM		**Discharge Area** (Optional)	

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

Land Use (Secondary) (Optional, greater than 10%): Residential | Commercial | x Industrial | Agricultural | Parks | Open | None

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

ATMOSPHERIC CONDITIONS

Weather: Sunny | Partly Cloudy | Overcast | x Fog

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

Last Rain: x > 72 hours | < 72 hours

Rainfall: x None | < 0.1" | > 0.1"

RUNOFF CHARACTERISTICS

Odor: x None | Musty | Rotten Eggs | Chemical | Sewage | Other

Color: x None | Yellow | Brown | White | Gray | Other

Clarity: x Clear | Slightly Cloudy | Opaque | Other

Floatables: x None | Trash | Bubbles/Foam | Sheen | Fecal Matter | Other

Deposits: None | x Sediment/Gravel | Fine Particulates | Stains | Oily Deposits | Other

Vegetation: x None | Limited | Normal | Excessive | Other

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

Water Flow: Flowing | Ponded | x Dry | Tidal

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

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

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

Field Screening Samples Collected? Yes | x No

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

Analytical Lab Samples Collected? Yes | x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		Sec
Flow		Gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

COMMENTS: **Dry**

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

Site ID	CB07-6	**Latitude**	(e.g., 33.41174) 32.73085	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Oil water separator At American	**Longitude**	(e.g., -117.35213) -117.19323		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	5/6/2011	**TB Page**	1288 F1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	07:00	**Observer**	KG, AM		**Discharge Area** (Optional)	

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

Land Use (Secondary) (Optional, greater than 10%): Residential | Commercial | x Industrial | Agricultural | Parks | Open | None

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

ATMOSPHERIC CONDITIONS

Weather: Sunny | Partly Cloudy | Overcast | x Fog

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

Last Rain: x > 72 hours | < 72 hours

Rainfall: x None | < 0.1" | > 0.1"

RUNOFF CHARACTERISTICS

Odor: x None | Musty | Rotten Eggs | Chemical | Sewage | Other

Color: x None | Yellow | Brown | White | Gray | Other

Clarity: Clear | Slightly Cloudy | Opaque | x Other **NA**

Floatables: x None | Trash | Bubbles/Foam | Sheen | Fecal Matter | Other

Deposits: None | Sediment/Gravel | x Fine Particulates | Stains | x Oily Deposits | Other

Vegetation: x None | Limited | Normal | Excessive | Other

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

Water Flow: Flowing | Ponded | x Dry | Tidal

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

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

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

Field Screening Samples Collected? Yes | x No

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

Analytical Lab Samples Collected? Yes | x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		Ft
Depth		Ft
Velocity		ft/sec
Flow		Gpm

COMMENTS: **Moist but no ponded water**

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

Site ID	CB07-7	**Latitude**	(e.g., 33.41174) 32.73000	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	West wing parking lot	**Longitude**	(e.g., -117.35213) -117.19390		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	5/6/2011	**TB Page**	1288 F1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	06:10	**Observer**	KG, AM		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open	
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open	None
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel	Curb/Gutter

ATMOSPHERIC CONDITIONS

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

RUNOFF CHARACTERISTICS

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

Water Flow Flowing Ponded x Dry Tidal

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

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

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

Field Screening Samples Collected? Yes x No

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

Analytical Lab Samples Collected? Yes x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		Ft
Depth		Ft
Velocity		ft/sec
Flow		Gpm

COMMENTS: Dry

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

Site ID	CB08-8	**Latitude**	(e.g., 33.41174) 32.73368	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Southwest Slit Trench	**Longitude**	(e.g., -117.35213) -117.19673		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	5/6/2011	**TB Page**	1288 F1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	11:00	**Observer**	KG,		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open	
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open	None
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel	Curb/Gutter

ATMOSPHERIC CONDITIONS

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

RUNOFF CHARACTERISTICS

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

Water Flow Flowing x Ponded Dry Tidal

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

Evidence of Overland Flow? x Yes No Irrigation Runoff x Other: potable water sources/ice puddle on the ramp

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

Field Screening Samples Collected? Yes x No

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

Analytical Lab Samples Collected? Yes x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

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

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

Site ID	CB12-9a (Alternate for CB12-9)	**Latitude**	(e.g., 33.41174) 32.73516	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Delta Gate Area	**Longitude**	(e.g., -117.35213) -117.20444		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	5/6/11	**TB Page**	1268 E7		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	08:21	**Observer**	KG, AM		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open	
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open	None
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel	x Curb/Gutter

ATMOSPHERIC CONDITIONS

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

RUNOFF CHARACTERISTICS

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

Water Flow Flowing Ponded x Dry Tidal

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

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

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

Field Screening Samples Collected? Yes x No

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

Analytical Lab Samples Collected? Yes x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

COMMENTS: This site (C-B12-9a) was an alternative used to replace C-B12-9, which is not accessible due to construction. Site is moist but not flowing and no sample was collected.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

Site ID	CB08-10a (Alternate site for CB09-10)	**Latitude**	(e.g., 33.41174) 32.72993	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	T1 Parking Lot	**Longitude**	(e.g., -117.35213) -117.19748		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	5/6/2011	**TB Page**	1299 F1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	06:27	**Observer**	KG, AM		**Discharge Area** (Optional)	

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

Land Use (Secondary) (Optional, greater than 10%): Residential | Commercial | x Industrial | Agricultural | Parks | Open | None

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

ATMOSPHERIC CONDITIONS

Weather: Sunny | Partly Cloudy | Overcast | x Fog

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

Last Rain: x > 72 hours | < 72 hours

Rainfall: x None | < 0.1" | > 0.1"

RUNOFF CHARACTERISTICS

Odor: x None | Musty | Rotten Eggs | Chemical | Sewage | Other

Color: x None | Yellow | Brown | White | Gray | Other

Clarity: Clear | Slightly Cloudy | Opaque | x Other **NA**

Floatables: None | x Trash | Bubbles/Foam | Sheen | Fecal Matter | Other

Deposits: x None | Sediment/Gravel | Fine Particulates | Stains | Oily Deposits | Other

Vegetation: x None | Limited | Normal | Excessive | Other

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

Water Flow: Flowing | Ponded | x Dry | Tidal

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

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

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

Field Screening Samples Collected? Yes | x No

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

Analytical Lab Samples Collected? Yes | x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		Ft
Depth		Ft
Velocity		ft/sec
Flow		Gpm

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

2011 Trash Assessment Form

SITE ID: CB01-1a **DATE:** 5/6/2011

LOCATION: LANDMARK **TIME:** 07:39

OBSERVER: KG, AM

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): NA

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

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

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

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

2011 Trash Assessment Form

SITE ID: CB03-2 **DATE:** 5/6/2011

LOCATION: BLAST FENCE **TIME:** 07:30

OBSERVER: KG, AM

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): OPTIMAL

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

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

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

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

2011 Trash Assessment Form

SITE ID: CB05-3 **DATE:** 5/6/2011

LOCATION: RENTAL CAR PARKING LOT **TIME:** 06:47

OBSERVER: KG, AM

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): SUBOPTIMAL

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

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

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

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

2011 Trash Assessment Form

SITE ID: CB05-4 **DATE:** 5/6/2011

LOCATION: GENERATOR STORAGE YARD **TIME:** 07:14

OBSERVER: KG, AM

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): OPTIMAL

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

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

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

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

2011 Trash Assessment Form

SITE ID: CB06-5 **DATE:** 5/6/2011

LOCATION: ATC TOWER **TIME:** 0805

OBSERVER: KG, AM

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): OPTIMAL

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

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

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

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

2011 Trash Assessment Form

SITE ID: CB07-6 **DATE:** 5/6/2011

LOCATION: AA Oil Water Seperator **TIME:** 07:00

OBSERVER: KG, AM

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): Optimal

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

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

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

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

2011 Trash Assessment Form

SITE ID: CB07-7 **DATE:** 5/6/2011

LOCATION: West Wing Parking Lot **TIME:** 06:10

OBSERVER: KG, AM

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): Optimal

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

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

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

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

2011 Trash Assessment Form

SITE ID: CB08-10a (ALTERNATE SITE FOR CB09-10) DATE: _____5/6/2011_____
LOCATION: ___T1 PARKING _____ TIME: __06:27_____

OBSERVER: _____KG, AM_____

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE):_____NA_____

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

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

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

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

2011 Trash Assessment Form

SITE ID: _____CB08-8_____ **DATE:** _____5/6/2011_____

LOCATION: ___SW SLIT TRENCH___ **TIME:** __08:26_____

OBSERVER: _____KG, AM_____

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE):___SUBOPTIMAL_____

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

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

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

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

2011 Trash Assessment Form

SITE ID: _CB12-9a (ALTERNATE SITE FOR CB12-9) DATE: _____5/6/2011_____

LOCATION: ___DELTA GATE AREA___ TIME: __08:21_____

OBSERVER: _____KG, AM_____

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE):_____Optimal_____

ESTIMATED AREA OF ASSESSMENT L X W (FT): __50X50_____

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

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

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

Dry Weather Monitoring Event 2

(6-6-11)

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

Site ID	CB01-1a	**Latitude**	(e.g., 33.41174) 32.73283	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Landmark Aviation	**Longitude**	(e.g., -117.35213) -117.17764		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	6/6/2011	**TB Page**	1288 H1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	09:50	**Observer**	KG, MR		**Discharge Area** (Optional)	

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

Land Use (Secondary) (Optional, greater than 10%): Residential | Commercial | x Industrial | Agricultural | Parks | Open | None

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

ATMOSPHERIC CONDITIONS

Weather: x Sunny | Partly Cloudy | Overcast | Fog

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

Last Rain: > 72 hours | x < 72 hours

Rainfall: None | x < 0.1" | > 0.1"

RUNOFF CHARACTERISTICS

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

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

Water Flow: Flowing | x Ponded | Dry | Tidal

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

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

Photo Taken x Yes | No **Photo #**

Field Screening Samples Collected? x Yes | No

Water Temp (°C)	22	NH_3-N (mg/L)	< 1	NO_3-N (mg/L)	N/A	Ortho-PO_4 (mg/L)	< 0.1
pH (pH units)	7.7	TURB (NTU)	43.6	COND (mS/cm)	0.9	MBAS (mg/L)	< 0.75

Analytical Lab Samples Collected? Yes | x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

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

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

Site ID	CB03-2	**Latitude**	(e.g., 33.41174) 32.72864	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Blast fence	**Longitude**	(e.g., -117.35213) -117.17843		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	6/6/2011	**TB Page**	1288 J1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	10:13	**Observer**	KG, MR		**Discharge Area** (Optional)	

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

Land Use (Secondary) (Optional, greater than 10%): Residential | Commercial | x Industrial | Agricultural | Parks | Open | None

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

ATMOSPHERIC CONDITIONS

Weather: x Sunny | Partly Cloudy | Overcast | Fog

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

Last Rain: > 72 hours | x < 72 hours

Rainfall: None | x < 0.1" | > 0.1"

RUNOFF CHARACTERISTICS

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

Water Flow: Flowing | Ponded | Dry | x Tidal

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

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

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

Field Screening Samples Collected? Yes | x No

Water Temp (°C)		NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)		TURB (NTU)		COND (mS/cm)	28	MBAS (mg/L)	

Analytical Lab Samples Collected? Yes | x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

COMMENTS: 25 percent sodium chloride, confirmed sea water.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

Site ID	CB05-3	**Latitude**	(e.g., 33.41174) 32.73782	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Rental car storage area	**Longitude**	(e.g., -117.35213) -117.18311		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	6/6/2011	**TB Page**	1268 H7		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	11:30	**Observer**	KG, MR		**Discharge Area** (Optional)	

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

Land Use (Secondary) (Optional, greater than 10%): Residential | Commercial | x Industrial | Agricultural | Parks | Open | None

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

ATMOSPHERIC CONDITIONS

Weather: Sunny | x Partly Cloudy | Overcast | Fog

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

Last Rain: > 72 hours | x < 72 hours

Rainfall: None | x < 0.1" | > 0.1"

RUNOFF CHARACTERISTICS

Odor: x None | Musty | Rotten Eggs | Chemical | Sewage | Other

Color: x None | Yellow | Brown | White | Gray | Other

Clarity: Clear | Slightly Cloudy | Opaque | **x** Other NA

Floatables: None | Trash | Bubbles/Foam | Sheen | Fecal Matter | **x** Other NA

Deposits: None | Sediment/Gravel | Fine Particulates | Stains | Oily Deposits | **x** Other NA

Vegetation: None | x Limited | Normal | Excessive | Other

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

Water Flow: Flowing | Ponded | x Dry | Tidal

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

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

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

Field Screening Samples Collected? Yes | x No

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

Analytical Lab Samples Collected? Yes | x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

COMMENTS: _____

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

Site ID	CB05-4	**Latitude**	(e.g., 33.41174) 32.73063	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Generator Storage Area	**Longitude**	(e.g., -117.35213) -117.18301		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	6/6/2011	**TB Page**	1288 G1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	10:18	**Observer**	KG, MR		**Discharge Area** (Optional)	

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

Land Use (Secondary) (Optional, greater than 10%): Residential | Commercial | x Industrial | Agricultural | Parks | Open | None

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

ATMOSPHERIC CONDITIONS

Weather: x Sunny | Partly Cloudy | Overcast | Fog

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

Last Rain: > 72 hours | x < 72 hours

Rainfall: None | x < 0.1" | > 0.1"

RUNOFF CHARACTERISTICS

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

Water Flow: Flowing | Ponded | Dry | x Tidal

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

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

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

Field Screening Samples Collected? Yes | x No

Water Temp (°C)		NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)		TURB (NTU)		COND (mS/cm)	24	MBAS (mg/L)	

Analytical Lab Samples Collected? Yes | x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		Sec
Flow		Gpm

Flowing Pipe

Diameter		Ft
Depth		Ft
Velocity		ft/sec
Flow		Gpm

COMMENTS: **Seawater confirmed**

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

				Watershed		
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 Area**	(e.g., 7.10) 908.2
Date	6/6/2011	**TB Page**	1268 G7		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	09:01	**Observer**	KG, MR		**Discharge Area** (Optional)	

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

Land Use (Secondary) (Optional, greater than 10%): Residential | Commercial | x Industrial | Agricultural | Parks | Open | None

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

ATMOSPHERIC CONDITIONS

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

RUNOFF CHARACTERISTICS

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

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

Water Flow Flowing | x Ponded | Dry | Tidal

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

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

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

Field Screening Samples Collected? Yes | x No

Water Temp (°C)	21.8	NH_3-N (mg/L)	Inconclusive	NO_3-N (mg/L)	< 5	Ortho-PO_4 (mg/L)	< 1
pH (pH units)	7.00	TURB (NTU)	36	COND (mS/cm)	0.90	MBAS (mg/L)	1

Analytical Lab Samples Collected? Yes | x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		Sec
Flow		Gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

COMMENTS: **Site is normally dry. Pooled water likely from trace rainfall.**

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

Site ID	CB07-6	**Latitude**	(e.g., 33.41174) 32.73085	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Oil water separator at American Airline	**Longitude**	(e.g., -117.35213) -117.19323		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	6/6/2011	**TB Page**	1288 F1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	08:39	**Observer**	KG, MR		**Discharge Area** (Optional)	

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

Land Use (Secondary) (Optional, greater than 10%): Residential | Commercial | x Industrial | Agricultural | Parks | Open | None

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

ATMOSPHERIC CONDITIONS

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

RUNOFF CHARACTERISTICS

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

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

Water Flow Flowing | Ponded | x Dry | Tidal

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

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

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

Field Screening Samples Collected? Yes | x No

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

Analytical Lab Samples Collected? Yes | x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		Ft
Depth		Ft
Velocity		ft/sec
Flow		Gpm

COMMENTS: _____

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

Site ID	CB07-7	**Latitude**	(e.g., 33.41174) 32.73000	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	West wing parking lot	**Longitude**	(e.g., -117.35213) -117.19390		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	6/6/2011	**TB Page**	1288 F1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	07:43	**Observer**	KG, MR		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open	
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open	None
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel	Curb/Gutter

ATMOSPHERIC CONDITIONS

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

RUNOFF CHARACTERISTICS

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

Water Flow Flowing x Ponded Dry Tidal

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

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

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

Field Screening Samples Collected? Yes x No

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

Analytical Lab Samples Collected? Yes x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		Ft
Depth		Ft
Velocity		ft/sec
Flow		Gpm

COMMENTS: _____

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

Site ID	CB08-8	**Latitude**	(e.g., 33.41174) 32.73368	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Southwest Slit Trench	**Longitude**	(e.g., -117.35213) -117.19673		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	6/6/2011	**TB Page**	1288 F1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	11:00	**Observer**	KG, MR		**Discharge Area** (Optional)	

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

Land Use (Secondary) (Optional, greater than 10%): Residential | Commercial | x Industrial | Agricultural | Parks | Open | None

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

ATMOSPHERIC CONDITIONS

Weather: x Sunny | Partly Cloudy | Overcast | Fog

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

Last Rain: > 72 hours | x < 72 hours

Rainfall: None | x < 0.1" | > 0.1"

RUNOFF CHARACTERISTICS

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

Water Flow: Flowing | x Ponded | Dry | Tidal

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

Evidence of Overland Flow? x Yes | No | Irrigation Runoff | x Other: trace rainfall

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

Field Screening Samples Collected? x Yes | No

Water Temp (°C)	23.5	NH_3-N (mg/L)	<10	NO_3-N (mg/L)	0	Ortho-PO_4 (mg/L)	<0.1
pH (pH units)	7.4	TURB (NTU)	7	COND (mS/cm)	1.19	MBAS (mg/L)	>3

Analytical Lab Samples Collected? x Yes | No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

COMMENTS: **Analytical sample taken and submitted to lab**

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

Site ID	CB12-9a (Alternate for CB12-9)	**Latitude**	(e.g., 33.41174) 32.73516	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Delta Gate Area	**Longitude**	(e.g., -117.35213) -117.20444		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	6/6/11	**TB Page**	1268 E7		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	08:15	**Observer**	KG, MR		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open	
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open	None
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel	x Curb/Gutter

ATMOSPHERIC CONDITIONS

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

RUNOFF CHARACTERISTICS

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

Water Flow Flowing Ponded x Dry Tidal

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

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

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

Field Screening Samples Collected? Yes x No

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

Analytical Lab Samples Collected? Yes x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

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

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

Site ID	CB08-10a (Alternate site for CB09-10)	**Latitude**	(e.g., 33.41174) 32.72993	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	T1 Parking Lot	**Longitude**	(e.g., -117.35213) -117.19748		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	6/6/2011	**TB Page**	1299 F1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	08:04	**Observer**	KG, MR		**Discharge Area** (Optional)	

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

Land Use (Secondary) (Optional, greater than 10%): Residential | Commercial | x Industrial | Agricultural | Parks | Open | None

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

ATMOSPHERIC CONDITIONS

Weather: x Sunny | Partly Cloudy | Overcast | Fog

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

Last Rain: > 72 hours | x < 72 hours

Rainfall: None | x < 0.1" | > 0.1"

RUNOFF CHARACTERISTICS

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

Water Flow: Flowing | Ponded | x Dry | Tidal

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

Evidence of Overland Flow? x Yes | No | Irrigation Runoff | x Other: Trace Rain

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

Field Screening Samples Collected? Yes | x No

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

Analytical Lab Samples Collected? Yes | x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		Ft
Depth		Ft
Velocity		ft/sec
Flow		Gpm

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

2011 Trash Assessment Form

SITE ID: _____CB01-1a_____ **DATE:** _____6/6/2011_____

LOCATION: ___ Landmark Aviation_____ **TIME:** __09:50_____

OBSERVER: _____KG, MR _____

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE):_Optimal_____

ESTIMATED AREA OF ASSESSMENT L X W (FT): ___100X100_____

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

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

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

2011 Trash Assessment Form

SITE ID: _____CB03-2_____ **DATE:** _____6/6/2011_____

LOCATION: ___ BLAST FENCE_____ **TIME:** __10:13_____

OBSERVER: _____KG, MR_____

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE):_____OPTIMAL_____

ESTIMATED AREA OF ASSESSMENT L X W (FT): __100X100_____

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

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

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

2011 Trash Assessment Form

SITE ID: _____CB05-3_____ **DATE:** _____6/6/2011_____

LOCATION: ___RENTAL CAR PARKING LOT___ **TIME:** __11:30_____

OBSERVER: _____KG, MR_____

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE):_____SUBOPTIMAL_____

ESTIMATED AREA OF ASSESSMENT L X W (FT): _____100X100_____

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

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

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

2011 Trash Assessment Form

SITE ID: _____CB05-4_____ **DATE:** _____6/6/2011_____

LOCATION: ___GENERATOR STORAGE YARD___ **TIME:** __10:18_____

OBSERVER: _____KG, MR_____

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE):_____OPTIMAL_____

ESTIMATED AREA OF ASSESSMENT L X W (FT): __100X100_____

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

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

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

2011 Trash Assessment Form

SITE ID: _____CB06-5_____ **DATE:** _____6/6/2011_____

LOCATION: ___ATC TOWER _____ **TIME:** __09:28_____

OBSERVER: _____KG, MR_____

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE):_____OPTIMAL_____

ESTIMATED AREA OF ASSESSMENT L X W (FT): _100X100_____

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

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

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

2011 Trash Assessment Form

SITE ID: _____CB07-06_____ DATE: _____6/6/2011_____

LOCATION: ___AA Oil Water Separator_____ TIME: __08:39_____

OBSERVER: _____ KG, MR_____

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE):_____OPTIMAL_____

ESTIMATED AREA OF ASSESSMENT L X W (FT): _ 100X100_____

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

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

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

2011 Trash Assessment Form

SITE ID: _____CB07-7_____ **DATE:** _____6/6/2011_____

LOCATION: WEST WING PARKING LOT **TIME:** ____07:43_____

OBSERVER: _____KG, MR_____

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

ESTIMATED AREA OF ASSESSMENT L X W (FT):__ 100X100_____

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

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

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

2011 Trash Assessment Form

SITE ID: CB08-10a (ALTERNATE SITE FOR CB09-10) DATE: 6/6/2011
LOCATION: T1 PARKING TIME: 08:04

OBSERVER: KG, MR

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): SUBOPTIMAL

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

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

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

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

2011 Trash Assessment Form

SITE ID: _____CB08-8_____ **DATE:** _____6/6/2011_____

LOCATION: ___SW SLIT TRENCH___ **TIME:** __11:00_____

OBSERVER: _____KG, MR _____

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE):_____OPTIMAL_____

ESTIMATED AREA OF ASSESSMENT L X W (FT): _____100 X100_____

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

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

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

2011 Trash Assessment Form

SITE ID: _CB12-9a (ALTERNATE SITE FOR CB12-9) DATE: _____6/6/2011_____

LOCATION: ___DELTA GATE AREA___ TIME: __08:15_____

OBSERVER: _____KG, MR_____

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE):_____OPTIMAL_____

ESTIMATED AREA OF ASSESSMENT L X W (FT): __100 X100_____

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.

14 June 2011

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

RE:San Diego Airport

Work Order No.: 1106086

Attached are the results of the analyses for samples received by the laboratory on 06/06/11 13:12.

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

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

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

Sincerely,

Richard K. Forsyth

Richard K. Forsyth

Laboratory Director

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

MACTEC Engineering & Consulting	Project:	San Diego Airport	
9177 Sky Park Court Suite A	Project Number:	[none]	**Reported:**
San Diego CA, 92123	Project Manager:	Amanda Archenhold	06/14/11 11:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CB08-8-6-6-11	1106086-01	Liquid	06/06/11 11:00	06/06/11 13:12

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 4°C, and accompanied by chain of custody documentation.
PRESERVATION: Samples requiring preservation were verified prior to sample preparation and analysis.
HOLDING TIMES: All holding times were met, unless otherwises noted in the report with data qualifiers.
QA/QC CRITERIA: All quality objective criteria were met, except as noted in the report with data qualifiers.

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

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	06/14/11 11:08

Microbiological Parameters by APHA Standard Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CB08-8-6-6-11 (1106086-01) Liquid	**Sampled: 06/06/11 11:00 Received: 06/06/11 13:12**								
Enterococcus	**180**	20	MPN/100 mL	10	B1F0706	06/06/11	06/06/11 13:45	SM 9230B	
Fecal Coliforms	**20**	20	"	"	"	"	"	SM 9221E	
Total Coliforms	**3300**	200	"	100	"	"	"	SM 9221B	

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

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	06/14/11 11:08

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CB08-8-6-6-11 (1106086-01) Liquid Sampled: 06/06/11 11:00 Received: 06/06/11 13:12									
Total Hardness	**377**	0.400	mg/L	1	B1F1334	06/07/11	06/13/11 19:06	SM 2340 C	
Hexane Extractable Material (HEM)	ND	2.00	"	"	"	"	"	EPA 1664	

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

26052 Merit Circle Suite 105, Laguna Hills, California 92653
Telephone: (949) 348-9389 Fax: (949) 348-9115
E-Mail: sierralabs @ sierralabs.net

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	06/14/11 11:08

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CB08-8-6-6-11 (1106086-01) Liquid Sampled: 06/06/11 11:00 Received: 06/06/11 13:12									
Cadmium	ND	4.0	µg/L	2	B1F0909	06/09/11	06/10/11 13:30	EPA 200.8	
Copper	**53**	2.0	"	"	"	"	"	"	
Lead	ND	4.0	"	"	"	"	"	"	
Zinc	**870**	2.0	"	"	"	"	"	"	

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

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	06/14/11 11:08

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

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B1F0909 - EPA 200 Series										
Blank (B1F0909-BLK1)				Prepared: 06/09/11 Analyzed: 06/10/11						
Cadmium	ND	4.0	µg/L							
Copper	ND	2.0	"							
Lead	ND	4.0	"							
Zinc	ND	2.0	"							
LCS (B1F0909-BS1)				Prepared: 06/09/11 Analyzed: 06/10/11						
Cadmium	94.9	4.0	µg/L	100		94.9	85-115			
Copper	86.5	2.0	"	100		86.5	85-115			
Lead	91.7	4.0	"	100		91.7	85-115			
Zinc	96.3	2.0	"	100		96.3	85-115			
Matrix Spike (B1F0909-MS1)	**Source: 1106086-01**			Prepared: 06/09/11 Analyzed: 06/10/11						
Cadmium	96.8	4.0	µg/L	100	3.8	93.0	70-130			
Copper	125	2.0	"	100	53	72.0	70-130			
Lead	85.1	4.0	"	100	1.5	83.6	70-130			
Zinc	917	2.0	"	100	870	47.0	70-130			QM-07
Matrix Spike Dup (B1F0909-MSD1)	**Source: 1106086-01**			Prepared: 06/09/11 Analyzed: 06/10/11						
Cadmium	101	4.0	µg/L	100	3.8	97.2	70-130	4.25	30	
Copper	126	2.0	"	100	53	73.0	70-130	0.797	30	
Lead	84.4	4.0	"	100	1.5	82.9	70-130	0.826	30	
Zinc	937	2.0	"	100	870	67.0	70-130	2.16	30	QM-07

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

MACTEC Engineering & Consulting	Project:	San Diego Airport	
9177 Sky Park Court Suite A	Project Number:	[none]	**Reported:**
San Diego CA, 92123	Project Manager:	Amanda Archenhold	06/14/11 11:08

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Certificate of Analysis

Report Date: Tuesday, June 28, 2011
Received Date: Thursday, June 9, 2011
Received Time: 11:55 am
Turnaround Time: Normal

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

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

Attn: Nick Forsyth
Project: 1106086

P.O. #:

Lab Sample ID: 1F09032-01 **Sample ID: CB08-8-6-6-11 (1106086-01)** **Matrix:** Water
Sampled by: client **Sampled: 06/06/11 11:00**

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Azinphos methyl (Guthion)	ND	0.0070	0.10	ug/l	1	EPA 8141A	6/11/11	6/27/11 19:39	W1F0478	
Bolstar	ND	0.0060	0.10	ug/l	1	EPA 8141A	6/11/11	6/27/11 19:39	W1F0478	
Chlorpyrifos	ND	0.0060	0.10	ug/l	1	EPA 8141A	6/11/11	6/27/11 19:39	W1F0478	
Coumaphos	ND	0.0090	0.10	ug/l	1	EPA 8141A	6/11/11	6/27/11 19:39	W1F0478	
Demeton-o	ND	0.0070	0.10	ug/l	1	EPA 8141A	6/11/11	6/27/11 19:39	W1F0478	
Demeton-s	ND	0.0070	0.10	ug/l	1	EPA 8141A	6/11/11	6/27/11 19:39	W1F0478	
Diazinon	ND	0.0060	0.10	ug/l	1	EPA 8141A	6/11/11	6/27/11 19:39	W1F0478	
Dichlorvos	ND	0.036	0.10	ug/l	1	EPA 8141A	6/11/11	6/27/11 19:39	W1F0478	
Dimethoate	ND	0.23	0.25	ug/l	1	EPA 8141A	6/11/11	6/27/11 19:39	W1F0478	
Disulfoton	ND	0.0050	0.10	ug/l	1	EPA 8141A	6/11/11	6/27/11 19:39	W1F0478	
Ethoprop	ND	0.0060	0.10	ug/l	1	EPA 8141A	6/11/11	6/27/11 19:39	W1F0478	
Ethyl parathion	ND	0.085	0.25	ug/l	1	EPA 8141A	6/11/11	6/27/11 19:39	W1F0478	
Fensulfothion	ND	0.010	0.10	ug/l	1	EPA 8141A	6/11/11	6/27/11 19:39	W1F0478	
Fenthion	ND	0.0050	0.10	ug/l	1	EPA 8141A	6/11/11	6/27/11 19:39	W1F0478	
Malathion	ND	0.23	0.25	ug/l	1	EPA 8141A	6/11/11	6/27/11 19:39	W1F0478	
Merphos	ND	0.027	0.10	ug/l	1	EPA 8141A	6/11/11	6/27/11 19:39	W1F0478	
Methyl parathion	ND	0.0060	0.10	ug/l	1	EPA 8141A	6/11/11	6/27/11 19:39	W1F0478	
Mevinphos	ND	0.0090	0.10	ug/l	1	EPA 8141A	6/11/11	6/27/11 19:39	W1F0478	
Naled	ND	0.0050	0.10	ug/l	1	EPA 8141A	6/11/11	6/27/11 19:39	W1F0478	
Phorate	ND	0.0050	0.10	ug/l	1	EPA 8141A	6/11/11	6/27/11 19:39	W1F0478	
Ronnel	ND	0.0060	0.10	ug/l	1	EPA 8141A	6/11/11	6/27/11 19:39	W1F0478	
Stirophos	ND	0.010	0.10	ug/l	1	EPA 8141A	6/11/11	6/27/11 19:39	W1F0478	
Thionazin	ND	0.060	0.25	ug/l	1	EPA 8141A	6/11/11	6/27/11 19:39	W1F0478	
Tokuthion (Prothiofos)	ND	0.0060	0.10	ug/l	1	EPA 8141A	6/11/11	6/27/11 19:39	W1F0478	
Trichloronate	ND	0.0060	0.10	ug/l	1	EPA 8141A	6/11/11	6/27/11 19:39	W1F0478	
Surrogate: Triphenyl phosphate	*108 %*		*6-173*	%		Concentration: *1.20*				

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

Certificate of Analysis

Quality Control Section

Organophosphorus Pesticides by EPA Method 8141A - Quality Control

Batch W1F0478 - EPA 8141A

Blank (W1F0478-BLK1) **Prepared: 06/11/11 Analyzed: 06/27/11 18:08**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Triphenyl phosphate		*0.831*		ug/l	*1.00*	*83*	*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				NR	
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 (W1F0478-BS1) **Prepared: 06/11/11 Analyzed: 06/27/11 19:09**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Triphenyl phosphate		*1.03*		ug/l	*1.00*	*103*	*6-173*		
Azinphos methyl (Guthion)		1.01		ug/l	1.00	101	18-159	NR	
Bolstar		0.991		ug/l	1.00	99	49-148	NR	
Chlorpyrifos		0.873		ug/l	1.00	87	49-143	NR	
Coumaphos		1.07		ug/l	1.00	107	42-161	NR	
Demeton-o		1.02		ug/l	1.00	102	47-132	NR	
Demeton-s		0.773		ug/l	1.00	77	45-147	NR	
Diazinon		0.879		ug/l	1.00	88	46-136	NR	
Dichlorvos		0.961		ug/l	1.00	96	29-164	NR	
Disulfoton		0.817		ug/l	1.00	82	46-155	NR	
Ethoprop		0.826		ug/l	1.00	83	54-141	NR	

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

Certificate of Analysis

Organophosphorus Pesticides by EPA Method 8141A - Quality Control

Batch W1F0478 - EPA 8141A

LCS (W1F0478-BS1) **Prepared: 06/11/11 Analyzed: 06/27/11 19:09**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Fensulfothion		1.01		ug/l	1.00	101	54-167	NR	
Fenthion		0.842		ug/l	1.00	84	50-143	NR	
Merphos		1.32		ug/l	1.00	132	40-185	NR	
Methyl parathion		0.939		ug/l	1.00	94	47-142	NR	
Mevinphos		0.920		ug/l	1.00	92	43-145	NR	
Naled		0.717		ug/l	1.00	72	16-177	NR	
Phorate		0.864		ug/l	1.00	86	56-134	NR	
Ronnel		0.867		ug/l	1.00	87	49-140	NR	
Stirophos		0.946		ug/l	1.00	95	46-146	NR	
Tokuthion (Prothiofos)		0.954		ug/l	1.00	95	52-139	NR	
Trichloronate		0.890		ug/l	1.00	89	52-136	NR	

LCS Dup (W1F0478-BSD1) **Prepared: 06/11/11 Analyzed: 06/27/11 18:38**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Triphenyl phosphate		*0.776*		ug/l	*1.00*	*78*	*6-173*		
Azinphos methyl (Guthion)		0.738	QR-BS	ug/l	1.00	74	18-159	31	25
Bolstar		0.697	QR-BS	ug/l	1.00	70	49-148	35	25
Chlorpyrifos		0.599	QR-BS	ug/l	1.00	60	49-143	37	25
Coumaphos		0.787	QR-BS	ug/l	1.00	79	42-161	31	25
Demeton-o		0.856		ug/l	1.00	86	47-132	17	25
Demeton-s		0.654		ug/l	1.00	65	45-147	17	25
Diazinon		0.664	QR-BS	ug/l	1.00	66	46-136	28	25
Dichlorvos		1.01		ug/l	1.00	101	29-164	5	25
Disulfoton		0.619	QR-BS	ug/l	1.00	62	46-155	28	25
Ethoprop		0.687		ug/l	1.00	69	54-141	18	25
Fensulfothion		0.818		ug/l	1.00	82	54-167	21	25
Fenthion		0.607	QR-BS	ug/l	1.00	61	50-143	32	25
Merphos		0.906	QR-BS	ug/l	1.00	91	40-185	37	25
Methyl parathion		0.647	QR-BS	ug/l	1.00	65	47-142	37	25
Mevinphos		0.859		ug/l	1.00	86	43-145	7	25
Naled		0.0627	BS-04	ug/l	1.00	6	16-177	168	25
Phorate		0.710		ug/l	1.00	71	56-134	20	25
Ronnel		0.629	QR-BS	ug/l	1.00	63	49-140	32	25
Stirophos		0.693	QR-BS	ug/l	1.00	69	46-146	31	25
Tokuthion (Prothiofos)		0.659	QR-BS	ug/l	1.00	66	52-139	37	25
Trichloronate		0.629	QR-BS	ug/l	1.00	63	52-136	34	25

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

Certificate of Analysis

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

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

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

Authorized Signature

Contact: Kim G Tu (Project Manager)

ELAP # 1132
LACSD # 10143
NELAC # 04229CA

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

Flags for Data Qualifiers:

BS-04	The recovery of this analyte in LCS or LCSD was outside control limit. Sample was accepted based on the remaining LCS, LCSD or LCS-LL.
QR-BS	The RPD value for the BS/BSD (LCS/LCSD) was outside of QC acceptance limits however both recoveries were acceptable. The QC batch was accepted based on acceptable results for the recoveries of the BS (LCS) and BSD (LCSD).
ND	NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method Detection Limit (MDL).
Sub	Subcontracted analysis, original report enclosed.
DL	Method Detection Limit
RL	Method Reporting Limit
MDA	Minimum Detectable Activity

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

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

CHAIN OF CUSTODY RECORD

Date: 6/6/11 Page 1 of 1

Lab Project No.: 1106086

Client: MACTEC
Client Address: 9177 Sky Park Ct San Diego, CA 92123
Client Tel. No.:
Client Fax. No.:
Client Proj. Mgr.:

Client Project ID: SD Airport

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

Geotracker EDD Info:
Client LOGCODE
Site Global ID

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	Oil & Grease	Diaz, non	Chlorpyrifos	Dissolved Cu, Cd, Pb, Zn	Total Coliform	Enterococcus	Hardness	Fecal Coliform	Field Point Names/ Comments
CB08-8-6-6-11	01	6-6-11	1100	W	ice	various	5	X	X	X	X	X	X	X	X	

Analysis Requested

1 Sampler Signature: [signature] Printed Name: K. Green

Shipped Via: (Carrier/Waybill No.)

5 Total Number of Containers Submitted to Laboratory

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

	Date	Time		Date	Time
2 Relinquished By: [signature]	6-6-11	1310	Received By: [signature]	6-6-11	1312
Company: MACTEC			Company: Sierra Analytical		
3 Relinquished By:	Date	Time	Received By:	Date	Time
Company:			Company:		
4 Relinquished By:	Date	Time	Received By:	Date	Time
Company:			Company:		

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

5 Total Number of Containers Received by Laboratory

Special Instructions:

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☑ Intact ☑ Chilled - Temp. (°C) 4.0
☑ Sample Seals ☑ Preservatives - Verified By
☑ Properly Labelled ☐ Other
☐ Appropriate Sample Container ☑ Storage Location MICRO - RIDM

Rev: 102005

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

Dry Weather Monitoring Event 3

(8-1-11)

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

Site ID	CB01-1a	**Latitude**	(e.g., 33.41174) 32.73283	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Landmark Aviation	**Longitude**	(e.g., -117.35213) -117.17764		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	8/1/2011	**TB Page**	1288 H1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	07:16	**Observer**	KG,AM, MR		**Discharge Area** (Optional)	

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

Land Use (Secondary) (Optional, greater than 10%): Residential | Commercial | x Industrial | Agricultural | Parks | Open | None

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

ATMOSPHERIC CONDITIONS

Weather: x Sunny | Partly Cloudy | Overcast | Fog

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

Last Rain: x > 72 hours | < 72 hours

Rainfall: x None | < 0.1" | > 0.1"

RUNOFF CHARACTERISTICS

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

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

Water Flow: Flowing | Ponded | Dry | x Tidal

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

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

Photo Taken Yes | x No **Photo #**

Field Screening Samples Collected? x Yes No

Water Temp (°C)		NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)		TURB (NTU)		COND (mS/cm)	3.5% (refractometer)	MBAS (mg/L)	

Analytical Lab Samples Collected? Yes x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

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

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

				Watershed		
Site ID	CB03-2	**Latitude**	(e.g., 33.41174) 32.72864		**Hydrologic Unit**	(e.g., 7.00) 908
Location	Blast fence	**Longitude**	(e.g., -117.35213) -117.17843		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	8/1/2011	**TB Page**	1288 J1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	07:30	**Observer**	KG, AM, MR,		**Discharge Area** (Optional)	

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

Land Use (Secondary) (Optional, greater than 10%): Residential | Commercial | x Industrial | Agricultural | Parks | Open | None

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

ATMOSPHERIC CONDITIONS

Weather: x Sunny | Partly Cloudy | Overcast | Fog

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

Last Rain: x > 72 hours | < 72 hours

Rainfall: x None | < 0.1" | > 0.1"

RUNOFF CHARACTERISTICS

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

Water Flow: Flowing | Ponded | Dry | x Tidal

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

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

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

Field Screening Samples Collected? x Yes No

Water Temp (°C)		NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)		TURB (NTU)		COND (mS/cm)	2.5% refractometer	MBAS (mg/L)	

Analytical Lab Samples Collected? Yes x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

COMMENTS: Tidal Intrusion

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

Site ID	CB05-3	**Latitude**	(e.g., 33.41174) 32.73782	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Rental car Storage	**Longitude**	(e.g., -117.35213) -117.18311		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	8/1/2011	**TB Page**	1268 H7		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	08:15	**Observer**	KG, AM, MR		**Discharge Area** (Optional)	

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

Land Use (Secondary) (Optional, greater than 10%): Residential | Commercial | x Industrial | Agricultural | Parks | Open | None

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

ATMOSPHERIC CONDITIONS

Weather: x Sunny | Partly Cloudy | Overcast | Fog

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

Last Rain: x > 72 hours | < 72 hours

Rainfall: x None | < 0.1" | > 0.1"

RUNOFF CHARACTERISTICS

Odor: x None | Musty | Rotten Eggs | Chemical | Sewage | Other

Color: x None | Yellow | Brown | White | Gray | Other

Clarity: Clear | Slightly Cloudy | Opaque | **x** Other NA

Floatables: None | Trash | Bubbles/Foam | Sheen | Fecal Matter | **x** Other NA

Deposits: None | Sediment/Gravel | Fine Particulates | Stains | Oily Deposits | **x** Other NA

Vegetation: x None | Limited | Normal | Excessive | Other

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

Water Flow: Flowing | Ponded | x Dry | Tidal

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

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

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

Field Screening Samples Collected? Yes | x No

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

Analytical Lab Samples Collected? Yes | x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

COMMENTS: Dry with multiple BMPs at the inlet.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

Site ID	CB05-4	**Latitude**	(e.g., 33.41174) 32.73063	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Generator Storage Area	**Longitude**	(e.g., -117.35213) -117.18301		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	8/1/2011	**TB Page**	1288 G1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	07:40	**Observer**	KG, AM, MR		**Discharge Area** (Optional)	

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

Land Use (Secondary) (Optional, greater than 10%): Residential | Commercial | x Industrial | Agricultural | Parks | Open | None

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

ATMOSPHERIC CONDITIONS

Weather: x Sunny | Partly Cloudy | Overcast | Fog

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

Last Rain: x > 72 hours | < 72 hours

Rainfall: x None | < 0.1" | > 0.1"

RUNOFF CHARACTERISTICS

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

Water Flow: Flowing | Ponded | Dry | x Tidal

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

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

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

Field Screening Samples Collected? x Yes | No

Water Temp (°C)		NH_3-N (mg/L)		NO_3-N (mg/L)		Ortho-PO_4 (mg/L)	
pH (pH units)		TURB (NTU)		COND (mS/cm)	3.5% (refractometer)	MBAS (mg/L)	

Analytical Lab Samples Collected? Yes | x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		Sec
Flow		Gpm

Flowing Pipe

Diameter		Ft
Depth		Ft
Velocity		ft/sec
Flow		Gpm

COMMENTS: Tidal intrusion.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

Site ID	CB06-5	**Latitude**	(e.g., 33.41174) 32.73584	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Air Traffic Control Tower	**Longitude**	(e.g., -117.35213) -117.18637		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	8/1/2011	**TB Page**	1268 G7		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	07:08	**Observer**	KG, AM, MR		**Discharge Area** (Optional)	

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

Land Use (Secondary) (Optional, greater than 10%): Residential | Commercial | x Industrial | Agricultural | Parks | Open | None

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

ATMOSPHERIC CONDITIONS

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

RUNOFF CHARACTERISTICS

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

Water Flow Flowing | Ponded | x Dry | Tidal

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

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

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

Field Screening Samples Collected? Yes | x No

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

Analytical Lab Samples Collected? Yes | x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		Sec
Flow		Gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

COMMENTS: Moist but dry.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

Site ID	CB07-6	**Latitude**	(e.g., 33.41174) 32.73085	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Oil water separator At American	**Longitude**	(e.g., -117.35213) -117.19323		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	8/1/2011	**TB Page**	1288 F1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	06:39	**Observer**	KG, AM, MR		**Discharge Area** (Optional)	

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

Land Use (Secondary) (Optional, greater than 10%): Residential | Commercial | x Industrial | Agricultural | Parks | Open | None

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

ATMOSPHERIC CONDITIONS

Weather: x Sunny | Partly Cloudy | Overcast | Fog

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

Last Rain: x > 72 hours | < 72 hours

Rainfall: x None | < 0.1" | > 0.1"

RUNOFF CHARACTERISTICS

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

Water Flow: Flowing | Ponded | x Dry | Tidal

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

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

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

Field Screening Samples Collected? Yes | x No

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

Analytical Lab Samples Collected? Yes | x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		Ft
Depth		Ft
Velocity		ft/sec
Flow		Gpm

COMMENTS: _____

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

Site ID	CB07-7	**Latitude**	(e.g., 33.41174) 32.73000	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	West wing parking lot	**Longitude**	(e.g., -117.35213) -117.19390		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	8/1/2011	**TB Page**	1288 F1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	06:15	**Observer**	KG, AM, MR		**Discharge Area** (Optional)	

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

Land Use (Secondary) (Optional, greater than 10%): Residential | Commercial | x Industrial | Agricultural | Parks | Open | None

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

ATMOSPHERIC CONDITIONS

Weather: x Sunny | Partly Cloudy | Overcast | Fog

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

Last Rain: x > 72 hours | < 72 hours

Rainfall: x None | < 0.1" | > 0.1"

RUNOFF CHARACTERISTICS

Odor: x None | Musty | Rotten Eggs | Chemical | Sewage | Other

Color: x None | Yellow | Brown | White | Gray | Other

Clarity: Clear | Slightly Cloudy | Opaque | x Other NA

Floatables: x None | Trash | Bubbles/Foam | Sheen | Fecal Matter | Other

Deposits: x None | Sediment/Gravel | Fine Particulates | Stains | Oily Deposits | Other

Vegetation: x None | Limited | Normal | Excessive | Other

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

Water Flow: Flowing | Ponded | x Dry | Tidal

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

Evidence of Overland Flow? Yes | x No | Irrigation Runoff | x Other: _____Trace Rainfall_____

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

Field Screening Samples Collected? Yes | x No

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

Analytical Lab Samples Collected? Yes | x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		Ft
Depth		Ft
Velocity		ft/sec
Flow		Gpm

COMMENTS: Dry.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

Site ID	CB08-10a (Alternate site for CB09-10)	**Latitude**	(e.g., 33.41174) 32.72993	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	T1 Parking Lot	**Longitude**	(e.g., -117.35213) -117.19748		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	8/1/2011	**TB Page**	1299 F1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	06:24	**Observer**	KG, MR, AM		**Discharge Area** (Optional)	

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

Land Use (Secondary) (Optional, greater than 10%): Residential | Commercial | x Industrial | Agricultural | Parks | Open | None

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

ATMOSPHERIC CONDITIONS

Weather: x Sunny | Partly Cloudy | Overcast | Fog

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

Last Rain: x > 72 hours | < 72 hours

Rainfall: x None | < 0.1" | > 0.1"

RUNOFF CHARACTERISTICS

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

Water Flow: Flowing | Ponded | x Dry | Tidal

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

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

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

Field Screening Samples Collected? Yes | x No

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

Analytical Lab Samples Collected? Yes | x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		Ft
Depth		Ft
Velocity		ft/sec
Flow		Gpm

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

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

Site ID	CB08-8	**Latitude**	(e.g., 33.41174) 32.73368	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Southwest Slit Trench	**Longitude**	(e.g., -117.35213) -117.19673		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	8/1/2011	**TB Page**	1288 F1		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	07:57	**Observer**	KG, AM, MR		**Discharge Area** (Optional)	

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

Land Use (Secondary) (Optional, greater than 10%): Residential | Commercial | x Industrial | Agricultural | Parks | Open | None

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

ATMOSPHERIC CONDITIONS

Weather: x Sunny | Partly Cloudy | Overcast | Fog

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

Last Rain: x > 72 hours | < 72 hours

Rainfall: x None | < 0.1" | > 0.1"

RUNOFF CHARACTERISTICS

Odor: x None | Musty | Rotten Eggs | Chemical | Sewage | Other

Color: x None | Yellow | Brown | White | Gray | Other

Clarity: x Clear | Slightly Cloudy | Opaque | Other

Floatables: None | x Trash | Bubbles/Foam | Sheen | Fecal Matter | Other

Deposits: None | Sediment/Gravel | x Fine Particulates | Stains | Oily Deposits | Other

Vegetation: x None | Limited | Normal | Excessive | Other

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

Water Flow: Flowing | x Ponded | Dry | Tidal

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

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

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

Field Screening Samples Collected? Yes | x No

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

Analytical Lab Samples Collected? Yes | x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

COMMENTS: Some small pools of water but not enough to sample.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

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

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

Site ID	CB12-9a (Alternate for CB12-9)	**Latitude**	(e.g., 33.41174) 32.73516	**Watershed**	**Hydrologic Unit**	(e.g., 7.00) 908
Location	Delta Gate Area	**Longitude**	(e.g., -117.35213) -117.20444		**Hydrologic Area**	(e.g., 7.10) 908.2
Date	8/1/2011	**TB Page**	1268 E7		**Hydrologic Subarea** (Optional)	(e.g., 7.11) 908.21
Time	06:47	**Observer**	KG, MR, AM		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open	
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open	None
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel	x Curb/Gutter

ATMOSPHERIC CONDITIONS

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

RUNOFF CHARACTERISTICS

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

Water Flow Flowing Ponded x Dry Tidal

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

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

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

Field Screening Samples Collected? Yes x No

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

Analytical Lab Samples Collected? Yes x No

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

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

2011 Trash Assessment Form

SITE ID: _____CB01-1a_____ **DATE:** _____8/1/2011_____

LOCATION: ___ LANDMARK_____ **TIME:** __07:16_____

OBSERVER: _____KG, AM, MR_____

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): _OPTIMAL_____

ESTIMATED AREA OF ASSESSMENT L X W (FT): ___100 X 100_____

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.

2011 Trash Assessment Form

SITE ID: _____CB03-2_____ **DATE:** _____8/1/2011_____

LOCATION: ___ BLAST FENCE_____ **TIME:** __07:30_____

OBSERVER: _____KG, AM, MR_____

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE):_____OPTIMAL_____

ESTIMATED AREA OF ASSESSMENT L X W (FT): _100X100_____

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

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

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

2011 Trash Assessment Form

SITE ID: _____CB05-3_____ **DATE:** _____8/1/2011_____

LOCATION: ___RENTAL CAR PARKING LOT___ **TIME:** __08:15_____

OBSERVER: _____KG, AM, MR_____

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE):_____SUBOPTIMAL_____

ESTIMATED AREA OF ASSESSMENT L X W (FT): _100X100_____

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

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

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

2011 Trash Assessment Form

SITE ID: _____CB05-4_____ **DATE:** _____8/1/2011_____

LOCATION: ___GENERATOR STORAGE YARD___ **TIME:** __07:40_____

OBSERVER: _____KG, AM, MR_____

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE):_____OPTIMAL_____

ESTIMATED AREA OF ASSESSMENT L X W (FT): __100X100_____

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

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

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

2011 Trash Assessment Form

SITE ID: _____CB06-5_____ **DATE:** _____8/1/2011_____

LOCATION: ___ATC TOWER _____ **TIME:** __07:08_____

OBSERVER: _____KG, AM, MR_____

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE):_____OPTIMAL_____

ESTIMATED AREA OF ASSESSMENT L X W (FT): __100X100_____

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

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

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

2011 Trash Assessment Form

SITE ID: _____CB07-6_____ **DATE:** _____8/1/2011_____

LOCATION: ___AA Oil Water Separator____ **TIME:** __06:39_____

OBSERVER: _____ KG, AM, MR_____

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

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

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

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

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

2011 Trash Assessment Form

SITE ID: _____CB07-7_____ **DATE:** _____8/1/2011_____

LOCATION: WEST WING PARKING LOT **TIME:** ____06:15_____

OBSERVER: _____KG, AM, MR_____

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): ___ **OPTIMAL** _____

ESTIMATED AREA OF ASSESSMENT L X W (FT):__ 100X100_____

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

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

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

2011 Trash Assessment Form

SITE ID: CB08-10a (ALTERNATE SITE FOR CB09-10) DATE: 8/1/2011
LOCATION: T1 PARKING TIME: 06:24

OBSERVER: KG, AM, MR

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): SUBOPTIMAL

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

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

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

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

2011 Trash Assessment Form

SITE ID: _____CB08-8_____ **DATE:** _____8/1/2011_____

LOCATION: ___SW SLIT TRENCH___ **TIME:** __07:57_____

OBSERVER: _____KG, AM, MR_____

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE):_____SUBOPTIMAL_____

ESTIMATED AREA OF ASSESSMENT L X W (FT): _____100 X100_____

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

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

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

2011 Trash Assessment Form

SITE ID: CB12-9a (ALTERNATE SITE FOR CB12-9) DATE: 8/1/2011

LOCATION: DELTA GATE AREA TIME: 06:47

OBSERVER: KG, AM, MR

PREVIOUS TRASH ASSESSMENT RATING (IF APPLICABLE): OPTIMAL

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

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.

Appendix D

FY10-11 Wet Weather Sampling Results

STORM EVENT 1

(12/19/10)

Table 3
Compliance Sites Analytical Results

Analyte	Analytical Procedure	Dilution	Units	Reporting Limit	Results									
					C-B01-1A 12-19-10	C-B03-2 12-19-10	C-B05-3 12-20-10	C-B05-4 12-19-10	C-B06-5 12-19-10	C-B07-6 12-19-10	C-B07-7 12-19-10	C-B08-8 12-19-10	C-B12-9A 12-19-10	C-B08-10A 12-19-10
Conventionals														
Ammonia as N	SM 4500-NH3	1	mg/l	0.100	1.45	2.10	1.30	0.75	2.85	1.50	1.05	0.85	0.8	1.05
BOD	EPA 405.1	1	mg/l	2.00	13.6	ND	9.1	11.0	10.4	23.0	11.9	ND	2.2	ND
COD	EPA 410.4	1	mg/l	0.100	32.0	4.1	32	38	29	107.0	27	2.10	5	3.5
SC	EPA 120.1	1	µmhos/cm	0.100	62.9	91.9	219	152	164	115	163	76.5	87.8	60.4
MBAS	EPA 425.1	1	mg/l	0.0500	0.150	0.160	0.120	0.140	0.150	0.130	0.160	ND	ND	0.110
Oil & Grease	EPA 1664	1	mg/l	2.00	ND	ND	2.40	ND	ND	ND	ND	ND	ND	ND
pH	EPA 150.1	1	pH Units	0.100	6.79	6.90	7.82	7.37	7.09	6.72	6.62	7.04	6.88	6.87
Total Suspended Solids	EPA 160.2	1	mg/l	1.00	12.0	4.0	25.0	5.0	7.0	15.0	13.0	ND	3.0	10.0
Metals (Total)														
Aluminum	EPA 200.8	1,2	µg/L	25,50	850[b]	190[a]	3,400[a]	250[a]	980[a]	200[a]	34[a]	600[a]	79[a]	370[a]
Copper	EPA 200.8	1,2	µg/L	1.0,2.0	26[d]	140[c]	18[c]	81[c]	170[c]	110[c]	56[c]	72[c]	16[c]	35[c]
Iron	EPA 200.8	1,2	mg/l	0.025,0.050	0.99[f]	0.22[e]	3.7[e]	0.61[e]	1.0[e]	0.58[e]	0.048[e]	0.75[e]	0.1[e]	0.52[e]
Lead	EPA 200.8	1,2	µg/L	1.0,2.0	4.3[h]	4.9[g]	14[g]	1.7[g]	2.9[g]	1.1[g]	ND	3.8[g]	ND	2.2[g]
Zinc	EPA 200.8	1,2	µg/L	1.0,2.0	69[j]	58[i]	64[i]	130[i]	110[i]	520[i]	160[i]	220[i]	49[i]	110[i]
Metals (Dissolved)														
Copper	EPA 200.8	1	µg/L	1.0	17	140	4.9	72	150	78	12	9.9	13	24
Zinc	EPA 200.8	1	µg/L	1.0	41	42	11	120	94	490	31	37	41	78
Total Petroleum Hydrocarbons (TPH)														
Diesel Range Organics (C10-C24)	EPA 8015B	1	mg/l	0.050	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Jet-A	EPA 8015B	1	mg/l	0.050	ND	ND	ND	0.12	0.14	0.85	0.22	ND	0.13	ND
Oil Range Organics (C22-C36)	EPA 8015B	1	mg/l	0.050	0.23	ND	0.13	0.17	0.14	1.00	0.44	0.10	0.24	0.55
PCBs*														
PCB-1016	EPA 8082	1	µg/L	0.50	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS
PCB-1221	EPA 8082	1	µg/L	0.50	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS
PCB-1232	EPA 8082	1	µg/L	0.50	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS
PCB-1242	EPA 8082	1	µg/L	0.50	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS
PCB-1248	EPA 8082	1	µg/L	0.50	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS
PCB-1254	EPA 8082	1	µg/L	0.50	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS
PCB-1260	EPA 8082	1	µg/L	0.50	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS
Glycols														
Ethylene Glycol	EPA 8015B	2	mg/l	10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propylene Glycol	EPA 8015B	2	mg/l	10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
For Aluminum: a Dilution = 1 and Reporting Limit = 25; b Dilution = 2 and Reporting Limit = 50
For Copper: c Dilution = 1 and Reporting Limit = 1.0; d Dilution = 2 and Reporting Limit = 2.0
For Iron: e Dilution = 1 and Reporting Limit = 0.025; f Dilution = 2 and Reporting Limit = 0.050
For Lead: g Dilution = 1 and Reporting Limit = 1.0; h Dilution = 2 and Reporting Limit = 2.0
For Zinc: i Dilution = 1 and Reporting Limit = 1.0; j Dilution = 2 and Reporting Limit = 2.0

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

Table 4 BMP Effectiveness Sites Analytical and Particle Size Results for Site S-B06-12

Analyte	Analytical Procedure	Dilution	Units	Reporting Limit	Results S-B06-12 12-19-10
Conventionals					
BOD	EPA 405.1	1	mg/l	2.00	5.5
COD	EPA 410.4	1	mg/l	0.100	23
SC	EPA 120.1	1	µmhos/cm	0.100	109
Oil & Grease	EPA 1664	1	mg/l	2.00	ND
pH	EPA 150.1	1	pH Units	0.100	6.85
Total Suspended Solids	EPA 160.2	1	mg/l	1.00	ND
Metals (Total)					
Aluminum	EPA 200.8	1	µg/L	25	99
Copper	EPA 200.8	1	µg/L	1.0	21
Iron	EPA 200.8	1	mg/l	0.025	0.11
Lead	EPA 200.8	1	µg/L	1.0	ND
Zinc	EPA 200.8	1	µg/L	1.0	24
Metals (Dissolved)					
Copper	EPA 200.8	1	µg/L	1.0	11
Zinc	EPA 200.8	1	µg/L	1.0	24
Glycols					
Ethylene Glycol	EPA 8015B	2	mg/l	10.0	ND
Propylene Glycol	EPA 8015B	2	mg/l	10.0	ND

Notes:
ND = Non Detect

Particle Size Results

Sample ID	Median Grain Size, micron	Cumulative Percent Greater Than (Distribution percent, microns)										
		5%	10%	16%	25%	40%	50%	60%	75%	84%	90%	95%
S-B06-12-12-19-10	N/A	Below detection limits: insufficient concentration for analysis.										

STORM EVENT 2

(12/29/10)

Table 3
Compliance Sites Analytical Results

Analyte	Analytical Procedure	Dilution	Units	Reporting Limit	Results									
					C-B01-1A 12-29-10	C-B03-2 12-29-10	C-B05-3 12-29-10	C-B05-4 12-29-10	C-B06-5 12-29-10	C-B07-6 12-29-10	C-B07-7 12-29-10	C-B08-8 12-29-10	C-B12-9A 12-29-10	C-B08-10A 12-29-10
Conventionals														
Ammonia as N	SM 4500-NH3	1	mg/l	0.100	1.34	1.75	1.42	0.84	2.40	1.38	0.96	0.76	0.75	1.09
BOD	EPA 405.1	1	mg/l	2.00	10.5	ND	10.8	10.2	8.9	9.1	14.9	ND	2.4	ND
COD	EPA 410.4	1	mg/l	0.100	26.8	3.8	48	41.6	23	56.0	34	4.50	5.6	4
SC	EPA 120.1	1	µmhos/cm	0.100	45.9	61.7	147	101	78.6	48.2	216	131	104	61
MBAS	EPA 425.1	1	mg/l	0.0500	0.160	0.110	ND	0.120	0.140	0.100	0.170	ND	ND	ND
Oil & Grease	EPA 1664	1	mg/l	2.00	ND	ND	2.70	ND	ND	ND	ND	ND	ND	ND
pH	EPA 150.1	1	pH Units	0.100	6.95	7.39	8.15	7.62	7.52	7.38	6.91	7.48	7.05	7.32
Total Suspended Solids	EPA 160.2	1	mg/l	1.00	7.0	1.0	32.0	9.0	5.0	6.0	18.0	2.0	ND	6.0
Metals (Total)														
Aluminum	EPA 200.8	1,5	µg/L	25,120	240[a]	260[a]	7400[b]	480[a]	620[a]	170[a]	280[a]	110[a]	69[a]	180[a]
Copper	EPA 200.8	1	µg/L	1.0	22	86	26	63	82	43	60	17	17	24
Iron	EPA 200.8	1	mg/l	0.025	0.27	0.31	7.2	0.54	0.65	0.33	0.340	0.11	0.071	0.24
Lead	EPA 200.8	1	µg/L	1.0	1.5	4.3	28	2.3	2.1	1.7	2.7	ND	1	1.1
Zinc	EPA 200.8	1	µg/L	1.0	50	57	110	60	60	410	260	87	62	68
Metals (Dissolved)														
Copper	EPA 200.8	1	µg/L	1.0	19	70	2.7	43	68	35	49	9.8	9.2	19
Zinc	EPA 200.8	1	µg/L	1.0	17	52	8	46	44	340	200	75	53	57
Total Petroleum Hydrocarbons (TPH)														
Diesel Range Organics (C10-C24)	EPA 8015B	1	mg/l	0.050	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Jet-A	EPA 8015B	1	mg/l	0.050	ND	ND	ND	ND	ND	ND	ND	0.61	ND	ND
Oil Range Organics (C22-C36)	EPA 8015B	1	mg/l	0.050	0.68	ND	0.28	0.46	ND	0.96	0.62	0.76	0.6	0.64
PCBs*														
PCB-1016	EPA 8082	1	µg/L	0.50	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS
PCB-1221	EPA 8082	1	µg/L	0.50	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS
PCB-1232	EPA 8082	1	µg/L	0.50	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS
PCB-1242	EPA 8082	1	µg/L	0.50	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS
PCB-1248	EPA 8082	1	µg/L	0.50	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS
PCB-1254	EPA 8082	1	µg/L	0.50	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS
PCB-1260	EPA 8082	1	µg/L	0.50	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS
Glycols														
Ethylene Glycol	EPA 8015B	2	mg/l	10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propylene Glycol	EPA 8015B	2	mg/l	10.0	ND	ND	ND	ND	ND	ND	ND	20.7	ND	ND

Notes:
For Aluminum: a Dilution = 1 and Reporting Limit = 25; b Dilution = 5 and Reporting Limit = 120

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

Table 4 BMP Effectiveness Sites Analytical and Particle Size Results for Site S-B06-12

Analyte	Analytical Procedure	Dilution	Units	Reporting Limit	Results S-B06-12 12-29-10
Conventionals					
BOD	EPA 405.1	1	mg/l	2.00	ND
COD	EPA 410.4	1	mg/l	0.100	ND
SC	EPA 120.1	1	µmhos/cm	0.100	71
Oil & Grease	EPA 1664	1	mg/l	2.00	ND
pH	EPA 150.1	1	pH Units	0.100	7.78
Total Suspended Solids	EPA 160.2	1	mg/l	1.00	ND
Metals (Total)					
Aluminum	EPA 200.8	1	µg/L	25	77
Copper	EPA 200.8	1	µg/L	1.0	7.5
Iron	EPA 200.8	1	mg/l	0.025	0.076
Lead	EPA 200.8	1	µg/L	1.0	ND
Zinc	EPA 200.8	1	µg/L	1.0	27
Metals (Dissolved)					
Copper	EPA 200.8	1	µg/L	1.0	5.1
Zinc	EPA 200.8	1	µg/L	1.0	24
Glycols					
Ethylene Glycol	EPA 8015B	2	mg/l	10.0	ND
Propylene Glycol	EPA 8015B	2	mg/l	10.0	ND

Notes:
ND = Non Detect

Particle Size Results

Sample ID	Median Grain Size, micron	Cumulative Percent Greater Than (Distribution percent, microns)										
		5%	10%	16%	25%	40%	50%	60%	75%	84%	90%	95%
S-B06-12-12-29-10	N/A	Below detection limits: insufficient concentration for analysis.										

STORM EVENT 3

(1/2/11)

Table 3 BMP Effectiveness Sites Analytical and Particle Size Results for Site S-B06-12

Analyte	Analytical Procedure	Dilution	Units	Reporting Limit	Results S-B06-12 1-2-11
Conventionals					
BOD	EPA 405.1	1	mg/l	2.00	ND
COD	EPA 410.4	1	mg/l	0.100	4
SC	EPA 120.1	1	µmhos/cm	0.100	116
Oil & Grease	EPA 1664	1	mg/l	2.00	ND
pH	EPA 150.1	1	pH Units	0.100	7.32
Total Suspended Solids	EPA 160.2	1	mg/l	1.00	1
Metals (Total)					
Aluminum	EPA 200.8	1	µg/L	25	190
Copper	EPA 200.8	1	µg/L	1.0	14
Iron	EPA 200.8	1	mg/l	0.025	0.210
Lead	EPA 200.8	1	µg/L	1.0	1.1
Zinc	EPA 200.8	1	µg/L	1.0	43
Metals (Dissolved)					
Copper	EPA 200.8	1	µg/L	1.0	7
Zinc	EPA 200.8	1	µg/L	1.0	18
Glycols					
Ethylene Glycol	EPA 8015B	2	mg/l	10.0	ND
Propylene Glycol	EPA 8015B	2	mg/l	10.0	ND

Notes:
ND = Non Detect

Particle Size Results

Sample ID	Median Grain Size, micron	Cumulative Percent Greater Than (Distribution percent, microns)										
		5%	10%	16%	25%	40%	50%	60%	75%	84%	90%	95%
S-B06-12-1-2-11	N/A	Below detection limits: insufficient concentration for analysis.										

STORM EVENT 4

(2/16/11)

Table 3 BMP Effectiveness Sites Analytical and Particle Size Results for Site S-B06-12

Analyte	Analytical Procedure	Dilution	Units	Reporting Limit	Results S-B06-12 2-16-11
Conventionals					
BOD	EPA 405.1	1	mg/l	2.00	12.6
COD	EPA 410.4	1	mg/l	0.100	38
SC	EPA 120.1	1	µmhos/cm	0.100	173
Oil & Grease	EPA 1664	1	mg/l	2.00	ND
pH	EPA 150.1	1	pH Units	0.100	7.34
Total Suspended Solids	EPA 160.2	1	mg/l	1.00	2
Metals (Total)					
Aluminum	EPA 200.8	1	µg/L	25	130
Copper	EPA 200.8	1	µg/L	1.0	27
Iron	EPA 200.8	1	mg/l	0.025	0.210
Lead	EPA 200.8	1	µg/L	1.0	1.4
Zinc	EPA 200.8	1	µg/L	1.0	65
Metals (Dissolved)					
Copper	EPA 200.8	1	µg/L	1.0	21
Zinc	EPA 200.8	1	µg/L	1.0	39
Glycols					
Ethylene Glycol	EPA 8015B	2	mg/l	10.0	ND
Propylene Glycol	EPA 8015B	2	mg/l	10.0	ND

Notes:
ND = Non Detect

Particle Size Results

Sample ID	Median Grain Size, micron	Cumulative Percent Greater Than (Distribution percent, microns)										
		5%	10%	16%	25%	40%	50%	60%	75%	84%	90%	95%
S-B06-12-2-16-11	52.25	1022.263	791.490	566.768	309.079	102.188	52.250	33.437	20.042	13.651	9.518	5.792

STORM EVENT 5

(2/26/11)

Table 3 BMP Effectiveness Sites Analytical and Particle Size Results for Site S-B06-12

Analyte	Analytical Procedure	Dilution	Units	Reporting Limit	Results S-B06-12 2-26-11
Conventionals					
BOD	EPA 405.1	1	mg/l	2.00	ND
COD	EPA 410.4	1	mg/l	0.100	ND
SC	EPA 120.1	1	µmhos/cm	0.100	128
Oil & Grease	EPA 1664	1	mg/l	2.00	ND
pH	EPA 150.1	1	pH Units	0.100	7.13
Total Suspended Solids	EPA 160.2	1	mg/l	1.00	ND
Metals (Total)					
Aluminum	EPA 200.8	1	µg/L	25	330
Copper	EPA 200.8	1	µg/L	1.0	23
Iron	EPA 200.8	1	mg/l	0.025	0.370
Lead	EPA 200.8	1	µg/L	1.0	1.8
Zinc	EPA 200.8	1	µg/L	1.0	64
Metals (Dissolved)					
Copper	EPA 200.8	1	µg/L	1.0	5.4
Zinc	EPA 200.8	1	µg/L	1.0	15
Glycols					
Ethylene Glycol	EPA 8015B	2	mg/l	10.0	ND
Propylene Glycol	EPA 8015B	2	mg/l	10.0	ND

Notes:
ND = Non Detect

Particle Size Results

Sample ID	Median Grain Size, micron	Cumulative Percent Greater Than (Distribution percent, microns)										
		5%	10%	16%	25%	40%	50%	60%	75%	84%	90%	95%
S-B06-12-2-26-11	73.605	109.204	101.221	95.254	87.422	78.925	73.605	67.832	57.950	48.134	32.778	11.369