San Diego County Regional Airport Authority

Fiscal Year 2010-2011 Industrial Stormwater Permit Annual Report

July 2011

State of California
STATE WATER RESOURCES CONTROL BOARD

2010-2011

ANNUAL REPORT

FOR
STORM WATER DISCHARGES ASSOCIATED
WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 2010 through June 30, 2011

An annual report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. **Retain a copy of the completed Annual Report for your records.**

Please circle or highlight any information contained in Items A, B, and C below that is new or revised so we can update our records. Please remember that a Notice of Termination and new Notice of Intent are required whenever a facility operation is relocated or changes ownership.

If you have any questions, please contact your Regional Board Industrial Storm Water Permit Contact. The names, telephone numbers and e-mail addresses of the Regional Board contacts, as well as the Regional Board office addresses can be found at http://www.waterboards.ca.gov/stormwtr/contact.html. To find your Regional Board information, match the first digit of your WDID number with the corresponding number that appears in parenthesis on the first line of each Regional Board office.

GENERAL INFORMATION:

A. Facility Information:

Facility WDID No: 9371018035

Facility Business Name: San Diego International Airport
Contact Person: Richard Gilb
Physical Address: 3225 North Harbor Drive
e-mail: RGilb@san.org
City: San Diego
CA Zip: 92101 Phone: (619)400-2790
Standard Industrial Classification (SIC) Code(s): 4581 – Airports, Flying Fields, and Airport Terminal Services

B. Facility Operator Information:

Operator Name: San Diego County Regional Airport Authority
Contact Person: Richard Gilb
Mailing Address: P.O. Box 82776
e-mail: RGilb@san.org
City: San Diego
State: CA Zip: 92138-2776 Phone: (619)400-2790

C. Facility Billing Information:

Operator Name: San Diego County Regional Airport Authority
Contact Person: Richard Gilb
Mailing Address: P.O. Box 82776
e-mail: RGilb@san.org
City: San Diego
State: CA Zip: 92138-2776 Phone: (619)400-2790

2010-2011

ANNUAL REPORT

SPECIFIC INFORMATION

MONITORING AND REPORTING PROGRAM

D. SAMPLING AND ANALYSIS EXEMPTIONS AND REDUCTIONS

1. For the reporting period, was your facility exempt from collecting and analyzing samples from **two** storm events in accordance with sections B.12 or 15 of the General Permit?

☐ **YES** Go to Item D.2 ☒ **NO** Go to Section E

2. Indicate the reason your facility is exempt from collecting and analyzing samples from **two** storm events. Attach a copy of the first page of the appropriate certification if you check boxes ii, iii, iv, or v.

i. ☐ Participating in an Approved Group Monitoring Plan **Group Name:** _____

_____

ii. ☐ Submitted **No Exposure Certification (NEC)** Date Submitted: ___/___/___

Re-evaluation Date: ___/___/___

Does facility continue to satisfy NEC conditions? ☐ YES ☐ NO

iii. ☐ Submitted **Sampling Reduction Certification (SRC)** Date Submitted: ___/___/___

Re-evaluation Date: ___/___/___

Does facility continue to satisfy SRC conditions? ☐ YES ☐ NO

iv. ☐ Received Regional Board Certification Certification Date: ___/___/___

v. ☐ Received Local Agency Certification Certification Date: ___/___/___

3. If you checked boxes i or iii above, were you scheduled to sample **one** storm event during the reporting year?

☐ **YES** Go to Section E ☐ **NO** Go to Section F

4. If you checked boxes ii, iv, or v, go to Section F.

E. SAMPLING AND ANALYSIS RESULTS

1. How many storm events did you sample? 2

If less than 2, **attach explanation** (if you checked item D.2.i or iii. above, only attach explanation if you answer "0").

2. Did you collect storm water samples from the first storm of the wet season that produced a discharge during scheduled facility operating hours? (Section B.5 of the General Permit)

☐ **YES** ☒ **NO** **attach explanation** **(Please note that if you do not sample the first storm event, you are still required to sample 2 storm events)**

3. How many storm water discharge locations are at your facility? 14

4. For each storm event sampled, did you collect and analyze a sample from each of the facility's' storm water discharge locations? ☐ YES, go to Item E.6 ☒ NO

5. Was sample collection or analysis reduced in accordance with Section B.7.d of the General Permit? ☒ YES ☐ NO, **attach explanation**

   If "YES", **attach documentation** supporting your determination that two or more drainage areas are substantially identical.

   Date facility's drainage areas were last evaluated 2/21/11 – 3/17/11

6. Were all samples collected during the first hour of discharge? ☐ YES ☒ NO, **attach explanation**

7. Was all storm water sampling preceded by three (3) working days without a storm water discharge? ☒ YES ☐ NO, **attach explanation**

8. Were there any discharges of storm water that had been temporarily stored or contained? (such as from a pond) ☐ YES ☒ NO, go to Item E.10

9. Did you collect and analyze samples of temporarily stored or contained storm water discharges from two storm events? (or one storm event if you checked item D.2.i or iii. above) ☐ YES ☐ NO, **attach explanation**

10. Section B.5. of the General Permit requires you to analyze storm water samples for pH, Total Suspended Solids (TSS), Specific Conductance (SC), Total Organic Carbon (TOC) or Oil and Grease (O&G), other pollutants likely to be present in storm water discharges in significant quantities, and analytical parameters listed in Table D of the General Permit.

    a. Does Table D contain any additional parameters related to your facility's SIC code(s)? ☒ YES ☐ NO, Go to Item E.11

    b. Did you analyze all storm water samples for the applicable parameters listed in Table D? ☒ YES ☐ NO

    c. If you did not analyze all storm water samples for the applicable Table D parameters, check one of the following reasons:

    _____ In prior sampling years, the parameter(s) have not been detected in significant quantities from two consecutive sampling events. **Attach explanation**

    _____ The parameter(s) is not likely to be present in storm water discharges and authorized non-storm water discharges in significant quantities based upon the facility operator's evaluation. **Attach explanation**

    _____ Other. **Attach explanation**

11. For each storm event sampled, attach a copy of the laboratory analytical reports and report the sampling and analysis results using **Form 1** or its equivalent. The following must be provided for each sample collected:

- Date and time of sample collection
- Name and title of sampler
- Parameters tested
- Name of analytical testing laboratory
- Discharge location identification
- Testing results
- Test methods used
- Test detection limits
- Date of testing
- Copies of the laboratory analytical results

F. QUARTERLY VISUAL OBSERVATIONS

1. **Authorized Non-Storm Water Discharges**

Section B.3.b of the General Permit requires quarterly visual observations of all authorized non-storm water discharges and their sources.

a. Do authorized non-storm water discharges occur at your facility?

☒ **YES** ☐ **NO** Go to Item F.2

b. Indicate whether you visually observed all authorized non-storm water discharges and their sources during the quarters when they were discharged. **Attach an explanation for any "NO" answers.** Indicate "N/A" for quarters without any authorized non-storm water discharges.

July-September ☐ **YES** ☐ **NO** ☒ **N/A** October-December ☐ **YES** ☐ **NO** ☒ **N/A**

January-March ☐ **YES** ☐ **NO** ☒ **N/A** April-June ☐ **YES** ☐ **NO** ☒ **N/A**

c. Use **Form 2** to report quarterly visual observations of authorized non-storm water discharges or provide the following information:

i. name of each authorized non-storm water discharge
ii. date and time of observation
iii. source and location of each authorized non-storm water discharge
iv. characteristics of the discharge at its source and impacted drainage area/discharge location
v. name, title, and signature of observer
vi. **any** new or revised BMPs necessary to reduce or prevent pollutants in authorized non-storm water discharges. Provide new or revised BMP implementation date.

2. **Unauthorized Non-Storm Water Discharges**

Section B.3.a of the General Permit requires quarterly visual observations of all drainage areas to detect the presence of unauthorized non-storm water discharges and their sources.

a. Indicate whether you visually observed all drainage areas to detect the presence of unauthorized non- storm water discharges and their sources. **Attach an explanation for any "NO" answers.**

July-September ☒ **YES** ☐ **NO** October-December ☒ **YES** ☐ **NO**

January-March ☒ **YES** ☐ **NO** April-June ☒ **YES** ☐ **NO**

b. Based upon the quarterly visual observations, were any unauthorized non-storm water discharges detected?

☒ **YES** ☐ **NO** Go to Item F.2.d

c. Have each of the unauthorized non-storm water discharges been eliminated or permitted?

☒ **YES** ☐ **NO** **Attach explanation**

d. Use **Form 3** to report quarterly unauthorized non-storm water discharge visual observations or provide the following information:

i. name of each unauthorized non-storm water discharge
ii. date and time of observation
iii. source and location of each unauthorized non-storm water discharge
iv. characteristics of the discharge at its source and impacted drainage area/discharge location
v. name, title, and signature of observer
vi. **any** corrective actions necessary to eliminate the source of each unauthorized non-storm water discharge and to clean impacted drainage areas. Provide date unauthorized non-storm water discharge(s) was eliminated or scheduled to be eliminated.

G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur during the first hour of discharge or, in the case of temporarily stored or contained storm water, at the time of discharge.

1. Indicate below whether monthly visual observations of storm water discharges occurred at all discharge locations. **Attach an explanation for any "NO" answers.** Include in this explanation whether any eligible storm events occurred during scheduled facility operating hours that did not result in a storm water discharge, and provide the date, time, name and title of the person who observed that there was no storm water discharge.

	YES	NO		YES	NO
October	☐	☒	February	☐	☒
November	☐	☒	March	☐	☒
December	☒	☐	April	☐	☒
January	☐	☒	May	☒	☐

2. Report monthly wet season visual observations using **Form 4** or provide the following information:

   a. date, time, and location of observation
   b. name and title of observer
   c. characteristics of the discharge (i.e., odor, color, etc.) and source of any pollutants observed
   d. **any** new or revised BMPs necessary to reduce or prevent pollutants in storm water discharges. Provide new or revised BMP implementation date.

ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION (ACSCE)

H. ACSCE CHECKLIST

Section A.9 of the General Permit requires the facility operator to conduct one ACSCE in each reporting period (July 1-June 30). Evaluations must be conducted within 8-16 months of each other. The SWPPP and monitoring program shall be revised and implemented, as necessary, within 90 days of the evaluation. The checklist below includes the minimum steps necessary to complete a ACSCE. Indicate whether you have performed each step below. **Attach an explanation for any "NO" answers.**

1. Have you inspected all potential pollutant sources and industrial activities areas? ☒ YES ☐ NO
   The following areas should be inspected:

   - areas where spills and leaks have occurred during the last year
   - outdoor wash and rinse areas
   - process/manufacturing areas
   - loading, unloading, and transfer areas
   - waste storage/disposal areas
   - dust/particulate generating areas
   - erosion areas
   - building repair, remodeling, and construction
   - material storage areas
   - vehicle/equipment storage areas
   - truck parking and access areas
   - rooftop equipment areas
   - vehicle fueling/maintenance areas
   - non-storm water discharge generating areas

2. Have you reviewed your SWPPP to assure that its BMPs address existing potential pollutant sources and industrial activities areas? ☒ YES ☐ NO

3. Have you inspected the entire facility to verify that the SWPPP's site map is up-to-date? The following site map items should be verified: ☒ YES ☐ NO

   - facility boundaries
   - outline of all storm water drainage areas
   - areas impacted by run-on
   - storm water discharges locations
   - storm water collection and conveyance system
   - structural control measures such as catch basins, berms, containment areas, oil/water separators, etc.

4. Have you reviewed all General Permit compliance records generated since the last annual evaluation? ☒ YES ☐ NO

   The following records should be reviewed:

   - quarterly authorized non-storm water discharge visual observations
   - monthly storm water discharge visual observation
   - records of spills/leaks and associated clean-up/response activities
   - quarterly unauthorized non-storm water discharge visual observations
   - Sampling and Analysis records
   - preventative maintenance inspection and maintenance records

5. Have you reviewed the major elements of the SWPPP to assure compliance with the General Permit? ☒ YES ☐ NO

   The following SWPPP items should be reviewed:

   - pollution prevention team
   - list of significant materials
   - description of potential pollutant sources
   - assessment of potential pollutant sources
   - identification and description of the BMPs to be implemented for each potential pollutant source

6. Have you reviewed your SWPPP to assure that a) the BMPs are adequate in reducing or preventing pollutants in storm water discharges and authorized non-storm water discharges, and b) the BMPs are being implemented? ☒ YES ☐ NO

   The following BMP categories should be reviewed:

   - good housekeeping practices
   - spill response
   - employee training
   - erosion control
   - quality assurance
   - preventative maintenance
   - material handling and storage practices
   - waste handling/storage
   - structural BMPs

7. Has all material handling equipment and equipment needed to implement the SWPPP been inspected? ☒ YES ☐ NO

I. ACSCE EVALUATION REPORT

The facility operator is required to provide an evaluation report that includes:

- identification of personnel performing the evaluation
- the date(s) of the evaluation
- necessary SWPPP revisions
- schedule for implementing SWPPP revisions
- any incidents of non-compliance and the corrective actions taken

Use **Form 5** to report the results of your evaluation or develop an equivalent form.

J. ACSCE CERTIFICATION

The facility operator is required to certify compliance with the Industrial Activities Storm Water General Permit. To certify compliance, both the SWPPP and Monitoring Program must be up to date and be fully implemented.

Based upon your ACSCE, do you certify compliance with the Industrial Activities Storm Water General Permit? ☒ YES ☐ NO

If you answered "NO" **attach an explanation** to the ACSCE Evaluation Report why you are not in compliance with the Industrial Activities Storm Water General Permit.

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ATTACHMENT SUMMARY

Answer the questions below to help you determine what should be attached to this annual report. Answer NA (Not Applicable) to questions 2-4 if you are not required to provide those attachments.

1.	Have you attached Forms 1,2,3,4, and 5 or their equivalent?	☒ YES (Mandatory)		
2.	If you conducted sampling and analysis, have you attached the laboratory analytical reports?	☒ YES	☐ NO	☐ NA
3.	If you checked box II, III, IV, or V in item D.2 of this Annual Report, have you attached the first page of the appropriate certifications?	☐ YES	☐ NO	☒ NA
4.	Have you attached an explanation for each "NO" answer in items E.1, E.2, E.5-E.7, E.9, E.10.c, F.1.b, F.2.a, F.2.c, G.1, H.1-H.7, or J?	☒ YES	☐ NO	☐ NA

ANNUAL REPORT CERTIFICATION

I am duly authorized to sign reports required by the INDUSTRIAL ACTIVITIES STORM WATER GENERAL PERMIT (see Standard Provision C.9) and 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 person 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.

Printed Name: Paul Manasjan

Signature: _____ Date: 6/22/11

Title: Director, Environmental Affairs Department

Attachment 1

Explanations and Discussion of Analytical Data

2010 – 2011
ANNUAL REPORT
SAN DIEGO INTERNATIONAL AIRPORT (SDIA)
ATTACHMENT #1
REQUIRED EXPLANATIONS AND DISCUSSION OF ANALYTICAL DATA

1) Explanations to General Information (pages 1-7 of the Annual Report)

The following explanations are provided where necessary to comply with the General Annual Report format. The item numbers are presented in the order of the Annual Report.

E.2
November 20, 2010 would have been the first permit qualifying storm of the wet season but as noted in previous Annual Reports, program experience has led to the practical determination that sample collection can only be accomplished during storm events with a rainfall intensity of at least 0.10 inches per hour over at least a two-hour period. For the November storm we had 0.22 inches over 6 hours, which did not produce sufficient discharge to sample.

E.5
In 2005, the Airport Authority initiated a project to analyze the hydrology of the airport and to evaluate the existing storm water sampling plan. The project resulted in the development of a new storm water sampling plan that replaced many of the previous sample sites and also added additional sampling locations. That sampling plan identified pollutants of concern and provided statistical power to future analysis of pollutant loads. The sampling plan was finalized in November 2005, and was implemented for the first time in the 2005-2006 wet season. The sampling plan divides the airport into fourteen drainage basins. Ten sites within those 14 basins have been chosen to represent the areas of industrial activity at the airport. The sampling plan was last reviewed and incorporated into the storm water management program in March 2008. Three alternate sampling sites (CB01-1a, CB12-9a, and CB08-10a) were used during this wet season due to construction activities at the airport.

E.6
As noted above, program experience has led to the practical determination that sample collection can only be accomplished during storm events with a rainfall intensity of at least 0.10 inches per hour over at least a two-hour period. With ten sample sites identified for the monitoring program, practice has shown that more than one hour of time elapses between the initiation of sampling and the collection of the tenth sample. Such was the case again this year, and therefore, not all samples were collected during the first hour of discharge.

G.1
During the months of October and November of 2010 and January, February, March and April of 2011, there were no rain events occurring during daylight hours of sufficient intensity or duration to allow for visual observations. The history of storm events during daylight hours for this reporting period is provided on Form 4.

2) Summary Discussion of Analytical Results

The following information provides a brief discussion of the analytical data included with this Annual Report (see Form 1 and attached Analytical Lab Reports). A total of 20 samples were taken during the reporting period and all were compared to the USEPA Multi-Sector General Permit benchmarks. Based on this information, the Airport Authority continues to evaluate the effectiveness of the BMPs being implemented at the airport.

A total of 300 analyses were performed on the 20 samples taken during the 2010-2011 reporting period. Of these 300 analyses, a total of 50 samples had USEPA Multi-Sector Permit benchmark exceedances, a significant decrease from the 113 exceedances in FY09-10. The pollutants with USEPA Multi-Sector Permit Benchmark levels are listed in the table below with the percentage of times each was exceeded during the two sampling events. The pollutants that exceeded the benchmarks 50% or more of the time were total and dissolved copper. Historically these pollutants have exceeded benchmark levels in previous monitoring reports and are associated with day to day operations at an airport.

Table 1: Comparisons to Analyte Benchmarks, 2010-2011 Storm Water Season

Pollutant of Concern (units)	Median Concentration[(a)]	USEPA Multi-Sector General Permit Benchmark	No. of Analyses	No. of Exceedances	Exceedance Frequency (%)
Ammonia (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
SC (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 (mg/L)	430	1	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.

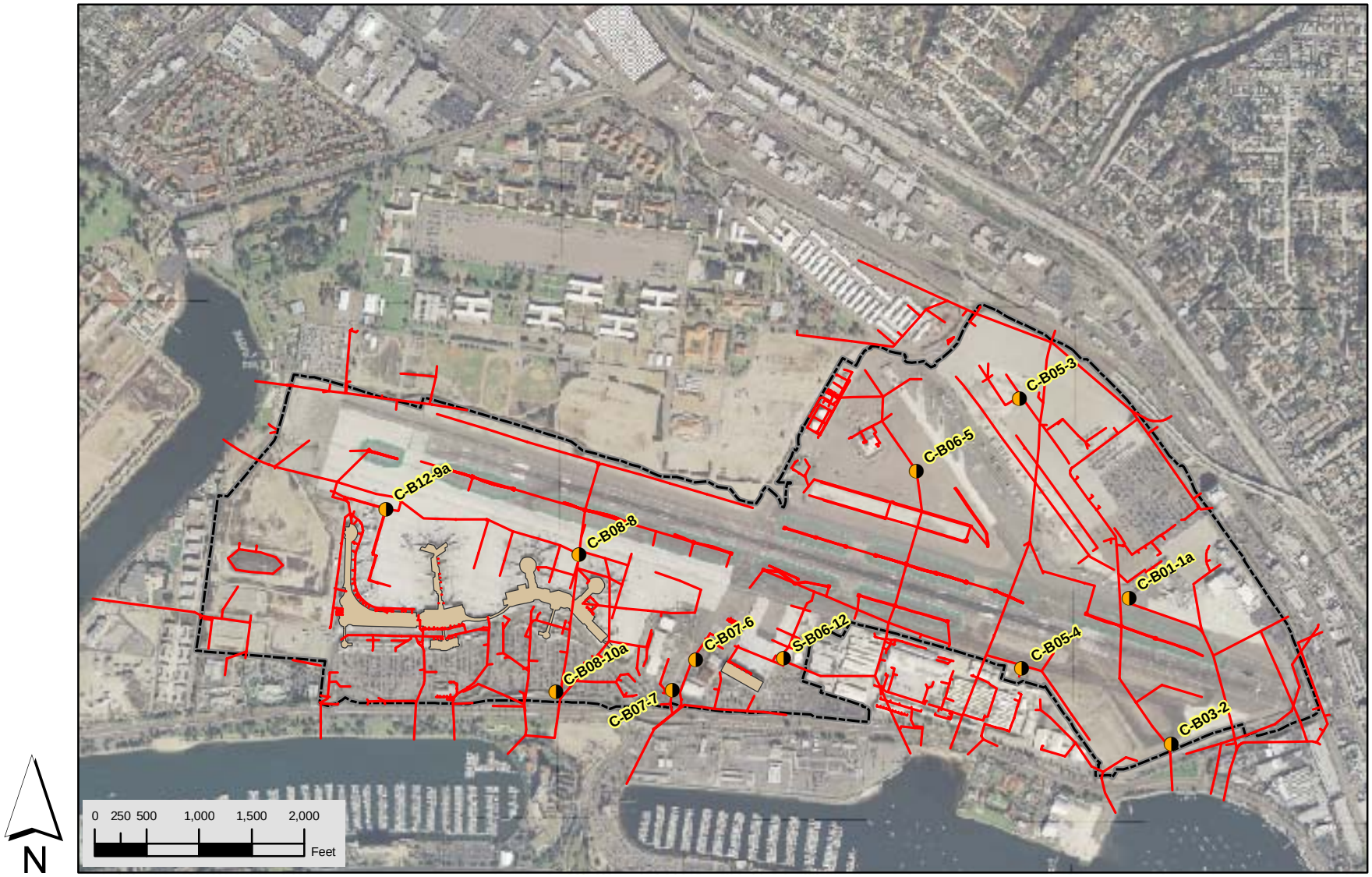
Sites CB06-5, CB07-6, and CB07-7 had the highest number (more than 5 exceedances per site) of individual pollutant exceedances across the two sampling events. Exceedances ranged from 8 pollutants exceeding the benchmarks at site CB06-5 and CB07-6 to 6 pollutants exceeding benchmarks at site CB07-7. This is significantly less than the number of exceedances from the previous sampling year. These areas are in the vicinity of the runway, taxiways, and ground service vehicle operations. The Airport Authority will use this data to re-evaluate the adequacy and effectiveness of the BMPs implemented near these sample sites, and to identify any needed improvements.

Although the number of exceedances was less in FY10-11, the pollutants that exceeded benchmarks for stormwater samples collected during the reporting period are still consistent with historic sampling data at the airport. Total copper and dissolved copper have been consistently identified as contaminants of concern in previous runoff monitoring. Past analysis has suggested that tire and brake pad wear from landing aircraft and/or vehicles, as well as building roofs, may be a likely source of heavy metals. In response, the Airport Authority has continued to revise and develop their stormwater sampling plan to identify the sources of these heavy metals. The Airport Authority is simultaneously evaluating the BMPs currently in place to control and eliminate heavy metal concentrations in stormwater runoff at the airport.

Along with evaluating its sampling plan and BMPs, the Airport Authority also conducts site audits every 2 years of all its tenants and their respective activities. Audits were conducted 2005, 2007, 2009 and most recently in the spring of 2011. The site audit results serve as a means to aid in the identification of potential pollutant sources and help to evaluate the current BMPs implemented by the tenants. These efforts are intended to outline new, additional, or modified BMPs that can be implemented to control or eliminate contaminants and to provide storm water BMP education for tenants who perform activities with the potential to impact stormwater runoff. Overall, the results of the 2007, 2009, and 2011 audits indicate a continued improvement in BMP implementation at San Diego International Airport. The site audits identify deficiencies in BMP implementation and provide a list of recommended changes for the Authority's Stormwater Management Program. Revisions were made to the Authority's 2008 Storm Water Management Plan based on the findings from previous audits. As more storm water data is collected in the future, the increased statistical power of the dataset will be used to determine long-term adequacy and effectiveness of both BMPs and the runoff monitoring program.

Attachment 2

Storm Drain System and Sampling Locations Map



Storm Drain System and Sampling Locations

San Diego International Airport

Attachment 3

Forms

2010-2011 ANNUAL REPORT
FORM 1 - SAMPLING & ANALYSIS RESULTS
FIRST STORM EVENT

· If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)

· When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.

· Make additional copies of this form as necessary.

· If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank

NAME OF PERSON COLLECTING SAMPLES: Amanda Archenhold TITLE: Mactec, Consultant SIGNATURE: A. J. Archenhold

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for First Storm Event									
			Basic Parameters				Other Parameters					
			pH	TSS	SC	O&G	MBAS	DIESEL RANGE ORGANICS (C10-C24)	JET-A	OIL RANGE ORGANICS (C22-C36)	TOTAL IRON Fe_t	TOTAL ZINC Zn_t
C-B01-1a	12/19/2010 11:05 PM	12/19/10 5:16 PM	6.79	12.0	62.9	ND	0.150	ND	ND	0.23	0.99	69
C-B03-2	12/19/2010 11:08 PM	12/19/10 5:16 PM	6.90	4.00	91.9	ND	0.160	ND	ND	ND	0.22	58
C-B05-3	12/20/2010 12:15 PM	12/19/10 5:16 PM	7.82	25.0	219	2.40	0.120	ND	ND	0.13	3.7	64
C-B05-4	12/19/2010 11:14 PM	12/19/10 5:16 PM	7.37	5.00	152	ND	0.140	ND	0.12	0.17	0.61	130
C-B06-5	12/19/2010 10:45 PM	12/19/10 5:16 PM	7.09	7.00	164	ND	0.150	ND	0.14	0.14	1.0	110
C-B07-6	12/19/2010 11:04 PM	12/19/10 5:16 PM	6.72	15.00	115	ND	0.130	ND	0.85	1.0	0.58	520
		TEST REPORTING UNITS:	pH units	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L
		TEST METHOD DETECTION LIMIT:	0.100	1.00	0.100	2.00	0.0500	0.050	0.050	0.050	0.025[1]	1.0[2]
		TEST METHOD USED:	EPA 150.1	EPA 160.2	EPA 120.1	EPA 1664	EPA 425.1	EPA 8015B	EPA 8015B	EPA 8015B	EPA 200.8	EPA 200.8
		ANALYZED BY (SELF/LAB):	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB

TSS - Total Suspended Solids SC - Specific Conductance O&G - Oil and Grease MBAS - Methylene Blue Active Substances

[1] C-B-01-1a Dilution factor is 2 for Iron

[2] C-B-01-1a Dilution factor is 2 for Zinc

2010-2011 ANNUAL REPORT
FORM 1 - SAMPLING & ANALYSIS RESULTS
FIRST STORM EVENT

- If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)
- If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank
- When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.
- Make additional copies of this form as necessary.

NAME OF PERSON COLLECTING SAMPLES: Amanda Archenhold TITLE: Mactec, Consultant SIGNATURE: A. T. Archenhold

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for First Storm Event									
			Basic Parameters				Other Parameters					
			pH	TSS	SC	O&G	MBAS	DIESEL RANGE ORGANICS (C10-C24)	JET-A	OIL RANGE ORGANICS (C22-C36)	TOTAL IRON Fe_t	TOTAL ZINC Zn_t
C-B07-7	12/19/10 10:15 PM	12/19/10 5:16 PM	6.62	130.0	163	ND	0.160	ND	0.22	0.44	0.048	160
C-B08-8	12/19/10 11:30 PM	12/19/10 5:16 PM	7.04	ND	76.5	ND	ND	ND	ND	0.10	0.75	220
C-B08-10a	12/19/10 10:45 PM	12/19/10 5:16 PM	6.87	10.0	60.4	ND	0.110	ND	ND	0.55	0.52	110
C-B12-9a	12/19/10 10:45 PM	12/19/10 5:16 PM	6.88	3.00	87.8	ND	ND	ND	0.13	0.24	0.10	49
TEST REPORTING UNITS:			pH units	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L
TEST METHOD DETECTION LIMIT:			0.100	1.00	0.100	2.00	0.0500	0.050	0.050	0.050	0.025	1.0
TEST METHOD USED:			EPA 150.1	EPA 160.2	EPA 120.1	EPA 1664	EPA 425.1	EPA 8015B	EPA 8015B	EPA 8015B	EPA 200.8	EPA 200.8
ANALYZED BY (SELF/LAB):			LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB

TSS - Total Suspended Solids SC - Specific Conductance O&G - Oil & Grease MBAS - Methylene Blue Active Substances

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FORM 1 - SAMPLING & ANALYSIS RESULTS
FIRST STORM EVENT

· If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)

· When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.

· Make additional copies of this form as necessary.

· If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank

NAME OF PERSON COLLECTING SAMPLES: Amanda Archenhold

TITLE: Mactec, Consultant

SIGNATURE: A. J. Archenhold

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for First Storm Event								
			Other Parameters								
			DISSOLVED ZINC Zn_d	TOTAL LEAD Pb_t	TOTAL ALUMINUM Al_t	TOTAL COPPER Cu_t	DISSOLVED COPPER Cu_d	BOD	COD	AMMONIA as N	GLYCOLS
C-B01-1a	12/19/2010 11:05 PM	12/19/10 5:16 PM	41	4.3	850	26	17	13.6	32.0	1.45	ND
C-B03-2	12/19/2010 11:08 PM	12/19/10 5:16 PM	42	4.9	190	140	140	ND	4.10	2.10	ND
C-B05-3	12/20/2010 12:15 PM	12/19/10 5:16 PM	11	1.4	3400	18	4.9	9.10	32.0	1.30	ND
C-B05-4	12/19/2010 11:14 PM	12/19/10 5:16 PM	72	1.7	250	81	120	11.0	38.0	0.750	ND
C-B06-5	12/19/2010 10:45 PM	12/19/10 5:16 PM	94	2.9	980	170	150	10.4	29.0	2.85	ND
C-B07-6	12/19/2010 11:04 PM	12/19/10 5:16 PM	490	1.1	200	110	78	23.0	107	1.50	ND
		TEST REPORTING UNITS:	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L
		TEST METHOD DETECTION LIMIT:	1.0	1.0[1]	25[2]	1.0[3]	1.0	2.00	0.100	0.100	10.0
		TEST METHOD USED:	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 405.1	EPA 410.4	SM 4500-NH3	EPA 8015B
		ANALYZED BY (SELF/LAB):	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB

BOD - Biological Oxygen Demand

COD - Chemical Oxygen Demand

[1] C-B-01-1a Dilution factor is 2 for Lead

[2] C-B-01-1a Dilution factor is 2 for Aluminum

[3] C-B-01-1a Dilution factor is 2 for Copper

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FORM 1 - SAMPLING & ANALYSIS RESULTS
FIRST STORM EVENT

· If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)

· If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank

· When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.

· Make additional copies of this form as necessary.

NAME OF PERSON COLLECTING SAMPLES: Amanda Archenhold

TITLE: Mactec, Consultant

SIGNATURE: A. J. Archenhold

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for First Storm Event								
			Other Parameters								
			DISSOLVED ZINC Zn_d	TOTAL LEAD Pb_t	TOTAL ALUMINUM Al_t	TOTAL COPPER Cu_t	DISSOLVED COPPER Cu_d	BOD	COD	AMMONIA as N	GLYCOLS
C-B07-7	12/19/10 10:15 PM	12/19/10 5:16 PM	31	ND	34	56	12	11.9	27.0	1.05	ND
C-B08-8	12/19/10 11:30 PM	12/19/10 5:16 PM	37	3.8	600	72	9.9	ND	2.10	0.850	ND
C-B08-10a	12/19/10 10:45 PM	12/19/10 5:16 PM	78	2.2	370	35	24	ND	3.50	1.05	ND
C-B12-9a	12/19/10 10:45 PM	12/19/10 5:16 PM	41	ND	79	16	13	2.20	5.00	0.800	ND
TEST REPORTING UNITS:			µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L
TEST METHOD DETECTION LIMIT:			1.0	1.0	25	1.0	1.0	2.00	0.100	0.100	10.0
TEST METHOD USED:			EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 405.1	EPA 410.4	SM 4500-NH3	EPA 8015B
ANALYZED BY (SELF/LAB):			LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB

BOD - Biological Oxygen Demand

COD - Chemical Oxygen Demand

2010-2011 ANNUAL REPORT
FORM 1 - SAMPLING & ANALYSIS RESULTS
SECOND STORM EVENT

· If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)

· If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank

· When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.

· Make additional copies of this form as necessary.

NAME OF PERSON COLLECTING SAMPLES: Amanda Archenhold TITLE: Mactec, Consultant SIGNATURE: A.J. Archenhold

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for Second Storm Event									
			Basic Parameters				Other Parameters					
			pH	TSS	SC	O&G	MBAS	DIESEL RANGE ORGANICS (C10-C24)	JET-A	OIL RANGE ORGANICS (C22-C36)	TOTAL IRON Fe_t	TOTAL ZINC Zn_t
C-B01-1a	12/29/10 8:30 AM	12/29/10 7:07 AM	6.95	7.00	45.9	ND	0.160	ND	ND	0.68	0.27	50
C-B03-2	12/29/10 8:59 AM	12/29/10 7:07 AM	7.39	1.00	61.7	ND	0.110	ND	ND	ND	0.31	57
C-B05-3	12/29/10 9:32 AM	12/29/10 7:07 AM	8.15	32.0	147	2.70	ND	ND	ND	0.28	7.2	110
C-B05-4	12/29/10 8:49 AM	12/29/10 7:07 AM	7.62	9.00	101	ND	0.120	ND	ND	0.46	0.54	60
C-B06-5	12/29/10 7:45 AM	12/29/10 7:07 AM	7.52	5.00	78.6	ND	0.140	ND	ND	ND	0.65	60
C-B07-6	12/29/10 8:45 AM	12/29/10 7:07 AM	7.38	6.0	48.2	ND	0.100	ND	ND	0.96	0.33	410
		TEST REPORTING UNITS:	pH units	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L
		TEST METHOD DETECTION LIMIT:	0.100	1.00	0.100	2.00	0.0500	0.050	0.050	0.050	0.050	1.0
		TEST METHOD USED:	EPA 150.1	EPA 160.2	EPA 120.1	EPA 1664	EPA 425.1	EPA 8015B	EPA 8015B	EPA 8015B	EPA 200.8	EPA 200.8
		ANALYZED BY (SELF/LAB):	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB

TSS - Total Suspended Solids SC - Specific Conductance O&G - Oil & Grease MBAS - Methylene Blue Active Substances

2010-2011 ANNUAL REPORT
FORM 1 - SAMPLING & ANALYSIS RESULTS
SECOND STORM EVENT

· If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)

· If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank

· When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.

· Make additional copies of this form as necessary.

NAME OF PERSON COLLECTING SAMPLES: Amanda Archenhold

TITLE: Mactec, Consultant SIGNATURE: A. J. Archenhold

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for Second Storm Event									
			Basic Parameters				Other Parameters					
			pH	TSS	SC	O&G	MBAS	DIESEL RANGE ORGANICS (C10-C24)	JET-A	OIL RANGE ORGANICS (C22-C36)	TOTAL IRON Fe_t	TOTAL ZINC Zn_t
C-B07-7	12/29/10 7:25 AM	12/29/10 7:07 AM	6.91	18.0	216	ND	0.170	ND	ND	0.62	0.34	260
C-B08-8	12/29/10 8:10 AM	12/29/10 7:07 AM	7.48	2.00	131	ND	ND	ND	0.61	0.76	0.11	87
C-B08-10a	12/29/10 7:40 AM	12/29/10 7:07 AM	7.32	6.00	61.0	ND	ND	ND	ND	0.64	0.24	68
C-B12-9a	12/29/10 8:25 AM	12/29/10 7:07 AM	7.05	ND	104	ND	ND	ND	ND	0.60	0.071	62
TEST REPORTING UNITS:			pH units	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L
TEST METHOD DETECTION LIMIT:			0.100	1.00	0.100	2.00	0.0500	0.050	0.050	0.050	0.050	1.0
TEST METHOD USED:			EPA 150.1	EPA 160.2	EPA 120.1	EPA 1664	EPA 425.1	EPA 8015B	EPA 8015B	EPA 8015B	EPA 200.8	EPA 200.8
ANALYZED BY (SELF/LAB):			LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB

TSS - Total Suspended Solids SC - Specific Conductance O&G - Oil & Grease MBAS - Methylene Blue Active Substances

2010-2011 ANNUAL REPORT
FORM 1 - SAMPLING & ANALYSIS RESULTS
SECOND STORM EVENT

· If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)

· If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank

· When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.

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NAME OF PERSON COLLECTING SAMPLES: Amanda Archenhold

TITLE: Mactec, Consultant

SIGNATURE: A. J. Archenhold

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for Second Storm Event								
			Other Parameters								
			DISSOLVED ZINC Zn_d	TOTAL LEAD Pb_t	TOTAL ALUMINUM Al_t	TOTAL COPPER Cu_t	DISSOLVED COPPER Cu_d	BOD	COD	AMMONIA as N	GLYCOLS
C-B01-1a	12/29/10 8:30 AM	12/29/10 7:07 AM	47	1.5	240	22	19	10.5	26.8	1.34	ND
C-B03-2	12/29/10 8:59 AM	12/29/10 7:07 AM	52	4.3	260	86	70	ND	3.80	1.75	ND
C-B05-3	12/29/10 9:32 AM	12/29/10 7:07 AM	8.0	28	7400	26	2.7	10.8	48.0	1.42	ND
C-B05-4	12/29/10 8:49 AM	12/29/10 7:07 AM	46	2.3	480	63	43	10.2	41.6	0.840	ND
C-B06-5	12/29/10 7:45 AM	12/29/10 7:07 AM	44	2.1	620	82	68	8.90	23.0	2.40	ND
C-B07-6	12/29/10 8:45 AM	12/29/10 7:07 AM	340	1.7	170	43	35	9.10	56.0	1.38	ND
		TEST REPORTING UNITS:	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L
		TEST METHOD DETECTION LIMIT:	1.0	1.0	25[1]	1.0	1.0	2.00	0.100	0.100	10.0
		TEST METHOD USED:	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 405.1	EPA 410.4	SM 4500-NH3	EPA 8015B
		ANALYZED BY (SELF/LAB):	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB

BOD - Biological Oxygen Demand

COD - Chemical Oxygen Demand

[1] C-B-05-3 dilution factor is 5 for Aluminum

2010-2011 ANNUAL REPORT
FORM 1 - SAMPLING & ANALYSIS RESULTS
SECOND STORM EVENT

· If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)

· If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank

· When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.

· Make additional copies of this form as necessary.

NAME OF PERSON COLLECTING SAMPLES: Amanda Archenhold

TITLE: Mactec, Consultant

SIGNATURE: A. J Archenhold.

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for Second Storm Event								
			Other Parameters								
			DISSOLVED ZINC Zn_d	TOTAL LEAD Pb_t	TOTAL ALUMINUM Al_t	TOTAL COPPER Cu_t	DISSOLVED COPPER Cu_d	BOD	COD	AMMONIA as N	GLYCOLS
C-B07-7	12/29/10 7:25 AM	12/29/10 7:07 AM	200	2.7	280	60	49	14.9	34.0	0.960	ND
C-B08-8	12/29/10 8:10 AM	12/29/10 7:07 AM	75	ND	110	17	9.8	ND	4.50	0.760	20.7[1]
C-B08-10a	12/29/10 7:40 AM	12/29/10 7:07 AM	57	1.1	180	24	19	ND	4.00	1.09	ND
C-B12-9a	12/29/10 8:25 AM	12/29/10 7:07 AM	53	1.0	69	17	9.2	2.40	5.60	0.750	ND
TEST REPORTING UNITS:			µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L
TEST METHOD DETECTION LIMIT:			1.0	1.0	25	1.0	1.0	2.00	0.100	0.100	10.0
TEST METHOD USED:			EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 405.1	EPA 410.4	SM 4500-NH3	EPA 8015B
ANALYZED BY (SELF/LAB):			LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB

BOD - Biological Oxygen Demand

COD - Chemical Oxygen Demand

[1] C-B09-8 Propylene Glycol is 20.7 and Ethylene Glycol is ND

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SIDE A

FORM 2-QUARTERLY VISUAL OBSERVATIONS OF AUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

- Quarterly dry weather visual observations are required of each authorized NSWD.
- Observe each authorized NSWD source, impacted drainage area, and discharge location.
- Authorized NSWDs must meet the conditions provided in Section D (pages 5-6), of the General Permit.
- Make additional copies of this form as necessary.

QUARTER: **JULY-SEPT.** DATE: Sept. 7 – 9, 2010	**Observers Name:** Annie Martin **Title:** Senior Environmental Specialist **Signature:** Annie Martin	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?**	☐ **YES** ■ **NO** If **YES**, complete reverse side of this form.
QUARTER: **OCT.-DEC.** DATE: Dec. 14 & 16, 2010	**Observers Name:** Annie Martin **Title:** Senior Environmental Specialist **Signature:** Annie Martin	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?**	☐ **YES** ■ **NO** If **YES**, complete reverse side of this form.
QUARTER: **JAN.-MARCH** DATE: Feb. 21 – Mar. 17, 2011	**Observers Name:** Annie Martin **Title:** Senior Environmental Specialist **Signature:** Annie Martin	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?**	☐ **YES** ■ **NO** If **YES**, complete reverse side of this form.
QUARTER: **APRIL-JUNE** DATE: May 3 - 4, 2011	**Observers Name:** Annie Martin **Title:** Senior Environmental Specialist **Signature:** Annie Martin	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?**	☐ **YES** ■ **NO** If **YES**, complete reverse side of this form.

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SIDE B

FORM 2-QUARTERLY VISUAL OBSERVATIONS OF AUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

DATE /TIME OF OBSERVATION	SOURCE AND LOCATION OF AUTHORIZED NSWD EXAMPLE: Air conditioner Units on Building C	NAME OF AUTHORIZED NSWD EXAMPLE: Air conditioner condensate	DESCRIBE AUTHORIZED NSWD CHARACTERISTICS Indicate whether authorized NSWD is clear, cloudy, or discolored, causing staining, contains floating objects or an oil sheen, has odors, etc.		DESCRIBE ANY REVISED OR NEW BMPs AND PROVIDE THEIR IMPLEMENTATION DATE
			At the NSWD Source	At the NSWD Drainage Area and Discharge Location	
/ / : ☐AM ☐PM					
/ / : ☐AM ☐PM					
/ / : ☐AM ☐PM					
/ / : ☐AM ☐PM					
/ / : ☐AM ☐PM					

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SIDE A

ANNUAL REPORT
FORM 3-QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

- Unauthorized NSWDs are discharges (such as wash or rinse waters) that do not meet the conditions provided in Section D (pages 5-6) of the General Permit.
- Quarterly visual observations are required to observe current and detect prior unauthorized NSWDs.
- Quarterly visual observations are required during dry weather and at all facility drainage areas.
- Each unauthorized NSWD source, impacted drainage area, and discharge location must be identified and observed.
- Unauthorized NSWDs that can not be eliminated within 90 days of observation must be reported to the Regional Board in accordance with Section A.10.e of the General Permit.
- Make additional copies of this form as necessary.

QUARTER: **JULY-SEPT.** **DATE OF OBSERVATIONS** Sept. 8 – 9, 2010	**Observers Name:** Annie Martin **Title:** Senior Environmental Specialist **Signature:** Ann Miller M.	**WERE UNAUTHORIZED NSWDs OBSERVED?** ■ YES ☐ NO **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** ☐ YES ■ NO	If **YES** to either question, complete reverse side.
QUARTER: **OCT.-DEC.** **DATE OF OBSERVATIONS** Dec. 14 – 16, 2010	**Observers Name:** Annie Martin **Title:** Senior Environmental Specialist **Signature:** Ann Miller M.	**WERE UNAUTHORIZED NSWDs OBSERVED?** ■ YES ☐ NO **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** ☐ YES ■ NO	If **YES** to either question, complete reverse side.
QUARTER: **JAN.-MARCH** **DATE OF OBSERVATIONS** Feb. 21 – Mar. 15, 2011	**Observers Name:** Annie Martin **Title:** Senior Environmental Specialist **Signature:** Ann Miller M.	**WERE UNAUTHORIZED NSWDs OBSERVED?** ■ YES ☐ NO **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** ☐ YES ■ NO	If **YES** to either question, complete reverse side.
QUARTER: **APRIL-JUNE** **DATE OF OBSERVATIONS** May 3 – 4, 2011	**Observers Name:** Annie Martin **Title:** Senior Environmental Specialist **Signature:** Ann Miller M.	**WERE UNAUTHORIZED NSWDs OBSERVED?** ■ YES ☐ NO **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** ☐ YES ■ NO	If **YES** to either question, complete reverse side.

FORM 3 QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

OBSERVATION DATE (FROM REVERSE SIDE)	**NAME OF UNAUTHORIZED NSWD** EXAMPLE: Vehicle Wash Water	**SOURCE AND LOCATION OF UNAUTHORIZED NSWD** EXAMPLE: NW Corner of Parking Lot	**DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS** Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc.	**DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE.**
9/8 /10 3:36 ☐ AM ■ PM	Lavatory chemicals	United Airlines - maintenance yard	Drum containing lavatory chemicals was not properly contained and was dripping onto the ground.	Confirmation of issue(s) resolution received 9/21/10. Email sent to United. Lid was acquired for drum and spill was cleaned up.
9/9/10 10:43 ■ AM ☐ PM	Trash staining	Flagship - Gate 10 and 11	Staining on the ground by Gates 10 and 11, near trainable trash carts. Accumulated trash and debris at “T2 Connector” trash compactor area.	Confirmation of issue(s) resolution received 9/15/10. Email sent to Flagship. Area was power washed.
9/9 /10 11:11 ■ AM ☐ PM	Trash	SDCRAA - between Gates 22 and 33	Trash accumulation between Gates 22 and 33.	Confirmation of issue(s) resolution received 9/16/10. Email sent to SDCRAA and Flagship. Flagship cleaned the area.
9/9/10 11:24 ■ AM ☐ PM	Soapy water	Continental Airlines - Gates 36 and 37	Soapy water on the ground by Gates 36 and 37.	Confirmation of issue(s) resolution received 9/22/10. Email sent to Continental. Sink was clogged, it is now repaired and contract cleaners were instructed on proper BMPs.

FORM 3 QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

OBSERVATION DATE (FROM REVERSE SIDE)	**NAME OF UNAUTHORIZED NSWD** EXAMPLE: Vehicle Wash Water	**SOURCE AND LOCATION OF UNAUTHORIZED NSWD** EXAMPLE: NW Corner of Parking Lot	**DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS** Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc.	**DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE.**
9/9/10 11:29 ■ AM ☐ PM	Trash	Flagship - T2 Connector trash compactor area	Trash and debris accumulation at T2 connector trash compactor area.	Confirmation of issue(s) resolution received 9/15/10. Email sent to Flagship. Area was power washed.
12/14/10 10:46 ■ AM ☐ PM	Trash	SDCRAA - Maintenance shops	Trash accumulation along the fence line behind the maintenance shops.	Confirmation of issue(s) resolution received 1/4/11. Work order was submitted for trash to be properly disposed.
12/14/10 11:08 ■ AM ☐ PM	Oil Staining	Landmark Aviation - along VSR west of building	Fresh staining under a Landmark fuel truck.	Confirmation of issue(s) resolution received 1/20/11. Email was sent to Landmark. Staining was cleaned up and drip pans were placed underneath.
12/14/10 11:20 ■ AM ☐ PM	Oil Staining	ATI - Capital Cargo aircraft	Fresh oily staining under the Capital Cargo aircraft.	Confirmation of issue(s) resolution received 1/7/11. Email was sent to ATI. Absorbent was reapplied, ramp was washed and steam cleaned.

FORM 3 QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

OBSERVATION DATE (FROM REVERSE SIDE)	**NAME OF UNAUTHORIZED NSWD** EXAMPLE: Vehicle Wash Water	**SOURCE AND LOCATION OF UNAUTHORIZED NSWD** EXAMPLE: NW Corner of Parking Lot	**DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS** Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc.	**DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE.**
12/14/10 12:42 ☐ AM ■ PM	Broken sand bags	ARFF - behind the building	Broken gravel bags were observed around a storm drain.	Confirmation of issue(s) resolution received 1/11/11. Email was sent to ARFF. Area was cleaned up.
12/16/10 9:40 ■ AM ☐ PM	Absorbent material	Southwest Airlines - Gate 4	Spilled absorbent material under Gate 4.	Confirmation of issue(s) resolution received 1/28/11. Email was sent to Southwest. Area was cleaned up.
12/16/10 9:52 ■ AM ☐ PM	Trash	SDCRAA - Gates 19 and 20	Trash accumulation near curb between Gates 19 and 20.	Confirmation of issue(s) resolution received 1/4/11. Ocean blue cleaned area and area was added to FMD regular cleaning schedule
12/16/10 10:02 ■ AM ☐ PM	Absorbent material	Delta Air Lines - Gate 26	Overflowing trash bin with bag of absorbent material spilling on the ground by Gate 26.	Confirmation of issue(s) resolution received 1/11/11. Email was sent to Delta. Areas were cleaned up.

FORM 3 QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

OBSERVATION DATE (FROM REVERSE SIDE)	**NAME OF UNAUTHORIZED NSWD** EXAMPLE: Vehicle Wash Water	**SOURCE AND LOCATION OF UNAUTHORIZED NSWD** EXAMPLE: NW Corner of Parking Lot	**DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS** Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc.	**DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE.**
12/16/10 10:13 ■ AM ☐ PM	Trash	Flagship - T2 connector area	Trash accumulation around the base of the trash dumpster in the T2 connector area.	Confirmation of issue(s) resolution received 12/22/10. Email was sent to Flagship. Area was pressure washed.
12/16/10 10:13 ■ AM ☐ PM	Trash	HMS Host - T2 connector area	Trash accumulation around the base of the grease container at the T2 connector area.	Confirmation of issue(s) resolution received 12/20/10. Email was sent to Host. Area was swept and cleaned up.
2/21/11 10:00 ■ AM ☐ PM	Water hydrant	Allied Aviation - facility	Leaking fire hydrant draining toward the storm drain.	Confirmation of issue(s) resolution received 4/22/11. Email was sent to Allied Aviation. The hydrant leak has been stopped
2/22/11 10:00 ■ AM ☐ PM	Trash	LPI - temporary pedestrian walkway	Trash accumulation in temporary pedestrian walkway.	Confirmation of issue(s) resolution received 3/9/11. Email was sent to LPI. The hydrant leak has been stopped

FORM 3 QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

OBSERVATION DATE (FROM REVERSE SIDE)	**NAME OF UNAUTHORIZED NSWD** EXAMPLE: Vehicle Wash Water	**SOURCE AND LOCATION OF UNAUTHORIZED NSWD** EXAMPLE: NW Corner of Parking Lot	**DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS** Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc.	**DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE.**
2/22/11 10:00 ■ AM ☐ PM	Oil, trash and debris	Landmark Aviation - truck parking area	Fueling trucks had minor leaking and required maintenance. Trash and debris accumulation.	Confirmation of issue(s) resolution received 3/15/11. Email was sent to Landmark. Drip pans were placed under the truck and mechanic fixed minor leak. Area was swept.
2/23/11 11:00 ■ AM ☐ PM	Trash	American Eagle - commuter terminal ramp	Trash and debris accumulation on ramp.	Confirmation of issue(s) resolution received 4/22/11. Email was sent to American Eagle. Area was swept and cleaned up.
02/24/11 9:00 ■ AM ☐ PM	Sediment	Virgin America - operational area	Sediment accumulation along walkways on ramp.	Confirmation of issue(s) resolution received 2/28/11. Email was sent to Virgin America. Ramp areas were swept and cleaned. Weekly audit is now being done.
2/28/11 10:00 ■ AM ☐ PM	Fuel	ASIG - equipment parking area	Fuel spots under ASIG equipment.	Confirmation of issue(s) resolution received 3/31/11. Email was sent to ASIG. Drip pans were placed under equipment while awaiting repair.

FORM 3 QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

OBSERVATION DATE (FROM REVERSE SIDE)	**NAME OF UNAUTHORIZED NSWD** EXAMPLE: Vehicle Wash Water	**SOURCE AND LOCATION OF UNAUTHORIZED NSWD** EXAMPLE: NW Corner of Parking Lot	**DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS** Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc.	**DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE.**
2/28/11 10:00 ■ AM ☐ PM	Trash and sediment	Frontier Airlines - operational area	Trash and sediment accumulation along walkways on ramp.	Confirmation of issue(s) resolution received 3/25/11. Email was sent to Frontier. Area was swept and cleaned.
3/1/11 10:00 ■ AM ☐ PM	Trash and sediment	Flagship - trash compactor area	Trash and sediment accumulation around trash compactors.	Confirmation of issue(s) resolution received 3/30/11. Email was sent to Flagship. Area was swept and cleaned up.
3/2/11 11:00 ■ AM ☐ PM	Trash and sediment	ATI - operational area	Trash and sediment accumulation.	Confirmation of issue(s) resolution received 5/17/11. Email was sent to ATI. Ramp areas were swept and cleaned. Weekly audit is now being done.
3/2/11 1:00 ☐ AM ■ PM	Trash	UPS - operational area	Trash and sediment accumulation.	Confirmation of issue(s) resolution received 3/18/11. Email was sent to UPS. Drip pans were placed under equipment while awaiting repair.

FORM 3 QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

OBSERVATION DATE (FROM REVERSE SIDE)	**NAME OF UNAUTHORIZED NSWD** EXAMPLE: Vehicle Wash Water	**SOURCE AND LOCATION OF UNAUTHORIZED NSWD** EXAMPLE: NW Corner of Parking Lot	**DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS** Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc.	**DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE.**
3/3/11 9:00 ■ AM ☐ PM	Trash and fuel	American Airlines - operational area	Sediment accumulation around the aircraft wash rack valve area. Fuel leak on conveyer belt unit.	Confirmation of issue(s) resolution received 3/31/11. Email was sent to American. Area was swept and cleaned.
3/3/11 10:00 ■ AM ☐ PM	Trash	ELS - operational area	Trash and debris accumulation.	Confirmation of issue(s) resolution received 3/11/11. Email was sent to ELS. Area was swept and cleaned up.
3/4/11 9:00 ■ AM ☐ PM	Trash and lavatory waste	Allegiant Air - operational area	Trash and sediment accumulation. Lavatory waste spill on ramp.	Confirmation of issue(s) resolution received 3/10/11. Email was sent to Allegiant. Area was swept and cleaned up.
3/4/11 9:00 ■ AM ☐ PM	Water and oil	Alaska Airlines - operational area	Water leaking under air conditioning unit on ramp. Oil spots found under DAL equipment on ramp.	Confirmation of issue(s) resolution received 3/21/11. Email was sent to Alaska. Air conditioning unit is placed a safe distance from drain outlet. Oil spot was cleaned.

FORM 3 QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

OBSERVATION DATE (FROM REVERSE SIDE)	**NAME OF UNAUTHORIZED NSWD** EXAMPLE: Vehicle Wash Water	**SOURCE AND LOCATION OF UNAUTHORIZED NSWD** EXAMPLE: NW Corner of Parking Lot	**DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS** Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc.	**DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE.**
3/7/11 9:30 ■ AM ☐ PM	Trash	Hawaiian Airlines - Gate 20	Uncontained trash was observed on the ramp.	Confirmation of issue(s) resolution received 4/11/11. Email was sent to Hawaiian. Area was cleaned.
3/8/11 1:00 ☐ AM ■ PM	Trash	HMS Host - cargo area	Cigarette butt accumulation found within the cargo area.	Confirmation of issue(s) resolution received 3/25/11. Email was sent to HMS Host. Tenant cleaned underneath the stairs by cargo area and ordered ash tray for cargo area vicinity.
3/9/11 9:00 ■ AM ☐ PM	Trash	Air Canada - operational area	Trash and debris accumulation found within the ramp area.	Confirmation of issue(s) resolution received 4/22/11. Email was sent to Air Canada. Ramp area was swept and cleaned up.
3/10/11 10:00 ■ AM ☐ PM	Sediment and oil stains	US Airways - operational area	Sediment accumulation on the ramp. Fresh oil stains were found at equipment and vehicle parking area.	Confirmation of issue(s) resolution received 3/22/11. Email was sent to US Air. Air conditioning unit is placed a safe distance from drain outlet. Oil spot was cleaned.

FORM 3 QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

OBSERVATION DATE (FROM REVERSE SIDE)	**NAME OF UNAUTHORIZED NSWD** EXAMPLE: Vehicle Wash Water	**SOURCE AND LOCATION OF UNAUTHORIZED NSWD** EXAMPLE: NW Corner of Parking Lot	**DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS** Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc.	**DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE.**
3/11/11 10:15 ■ AM ☐ PM	Soap, water, trash, lavatory chemicals	United Airlines - maintenance shop yard area and ramp	Leaking soap container and washing equipment at the maintenance yard. Sediment and trash accumulation on ground in the maintenance yard. At gate lavatory chemicals dripped onto ramp while plane was being serviced.	Confirmation of issue(s) resolution received 4/18/11. Email was sent to United. Area was cleaned and maintenance was performed on the dripping equipment.
3/15/11 9:00 ■ AM ☐ PM	Water and trash	SDCRAA - ramp and trash compactor area	Debris was found by sweeper unit. Water was observed to be leaking from hoses at the trash compactor area.	Confirmation of issue(s) resolution received 4/27/11. Email was sent to SDCRAA
3/15/11 11:00 ■ AM ☐ PM	Trash and oil leak	Southwest Airlines - cargo area and P.A.M. shop	Trash accumulation was observed outside the Southwest cargo building. Fresh oil was observed underneath Pacific Aircraft Maintenance truck.	Confirmation of issue(s) resolution received 4/6/11. Email was sent to Southwest. Area was cleaned and oil stain was removed.
3/17/11 3:00 ☐ AM ■ PM	Oil stain	Delta Air Lines - Maintenance shop	Fresh oil spots were observed beneath equipment in maintenance shop yard.	Confirmation of issue(s) resolution received 4/8/11. Email was sent to Delta. Area was cleaned

FORM 3 QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

OBSERVATION DATE (FROM REVERSE SIDE)	**NAME OF UNAUTHORIZED NSWD** EXAMPLE: Vehicle Wash Water	**SOURCE AND LOCATION OF UNAUTHORIZED NSWD** EXAMPLE: NW Corner of Parking Lot	**DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS** Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc.	**DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE.**
5/3/11 1:09 ☐ AM ■ PM	Oil stain and trash	SDCRAA - trash compactor area	Staining and debris outside of berm in front of main trash compactor area.	Confirmation of issue(s) resolution received 5/5/11. Email was sent to SDCRAA. Area was cleaned.
5/3/11 1:20 ☐ AM ■ PM	Trash staining	Flagship - Gates 10 and 11	Staining on the ground from trash in the trainable carts stored by Gate 10.	Confirmation of issue(s) resolution received 5/4/11. Email was sent to Flagship. Area was pressure washed
5/3/11 1:51 ☐ AM ■ PM	Trash	SDCRAA - triturator	Trail of lavatory waste from triturator down the road.	Confirmation of issue(s) resolution received 5/4/11. Phone call was made to Ocean Blue. Area was cleaned.
5/4/11 12:47 ☐ AM ■ PM	Grease	HMS Host - Gate 11	Grime on ground around grease container by Gate 11.	Confirmation of issue(s) resolution received 5/13/11. Email was sent to Host. The area was pressure washed and cleaned.

FORM 3 QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

OBSERVATION DATE (FROM REVERSE SIDE)	**NAME OF UNAUTHORIZED NSWD** EXAMPLE: Vehicle Wash Water	**SOURCE AND LOCATION OF UNAUTHORIZED NSWD** EXAMPLE: NW Corner of Parking Lot	**DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS** Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc.	**DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE.**
5/4/11 1:00 ☐ AM ■ PM	Trash leakage and soapy water	Alaska Airlines/DAL-Gates 17 and 18	Soapy water discharge due to employees' hand washing at an outside faucet at Gate 18. Trash leakage from DAL Global Services cart by Gate 17.	Confirmation of issue(s) resolution received 5/23/11. Email was sent to Alaska/DAL. Area was cleaned.
5/4/11 1:15 ☐ AM ■ PM	Trash	Frontier Airlines - Gate 24	Trash accumulation under Frontier baggage carts by Gate 24.	Confirmation of issue(s) resolution received 5/6/11. Email was sent to Frontier. Area was swept and cleared.
5/4/11 1:30 ☐ AM ■ PM	Trash leakage	Virgin America - Gate 25	Leaking liquids on ramp from trash bag being carried by an employee.	Confirmation of issue(s) resolution received 5/17/11. Email was sent to Virgin America. All leaking garbage will be double bagged prior to removing from the aircraft.
5/4/11 1:42 ☐ AM ■ PM	Trash	HMS Host - T2 connector area	Trash accumulation around grease trap at T2 connector area.	Confirmation of issue(s) resolution received 5/13/11. Email was sent to Host. The area was pressure washed and cleaned.

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FORM 4 – MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge.
- Indicate "None" in the first column of this form if you did not conduct a monthly visual observation.
- Make additional copies of this form as necessary.
- Until a monthly visual observation is made, record any eligible storm events that do not result in a storm water discharge and note the date, time, name, and title of who observed there was no storm water discharge.

Observation Date: October 2010

Observer's Name: Annie Martin

Title: Senior Environmental Specialist

Signature: Ann Melay M.

Time Discharge Began: None – no discharge during daylight hours

Observation Time: NA

Were Pollutants Observed: NA
(If yes, complete reverse side)

Drainage Location Description	Observation Time	Were Pollutants Observed
C-B01-1	: A.M. / PM	☐ YES ☐ NO
C-B03-2	: A.M. / PM	☐ YES ☐ NO
C-B05-3	: A.M. / PM	☐ YES ☐ NO
C-B05-4	: A.M. / PM	☐ YES ☐ NO
C-B06-5	: A.M. / PM	☐ YES ☐ NO
C-B07-6	: A.M. / PM	☐ YES ☐ NO
C-B07-7	: A.M. / PM	☐ YES ☐ NO
C-B08-8	: A.M. / PM	☐ YES ☐ NO
C-B12-9	: A.M. / PM	☐ YES ☐ NO
C-B09-10	: A.M. / PM	☐ YES ☐ NO

Observation Date: November 2010

Observer's Name: Annie Martin

Title: Senior Environmental Specialist

Signature: Ann Melay M.

Time Discharge Began: None – no discharge during daylight hours

Observation Time: NA

Were Pollutants Observed: NA
(If yes, complete reverse side)

Drainage Location Description	Observation Time	Were Pollutants Observed
C-B01-1	: A.M. / PM	☐ YES ☐ NO
C-B03-2	: A.M. / PM	☐ YES ☐ NO
C-B05-3	: A.M. / PM	☐ YES ☐ NO
C-B05-4	: A.M. / PM	☐ YES ☐ NO
C-B06-5	: A.M. / PM	☐ YES ☐ NO
C-B07-6	: A.M. / PM	☐ YES ☐ NO
C-B07-7	: A.M. / PM	☐ YES ☐ NO
C-B08-8	: A.M. / PM	☐ YES ☐ NO
C-B12-9	: A.M. / PM	☐ YES ☐ NO
C-B09-10	: A.M. / PM	☐ YES ☐ NO

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SIDE B

FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

DATE/TIME OF OBSERVATION (From Reverse Side)	DRAINAGE AREA DESCRIPTION	DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc.	IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS	DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION
NA / / ____ □ AM □ PM				
NA / / __:__ □ AM □ PM				
NA / / __:__ □ AM □ PM				
NA / / __:__ □ AM □ PM				
NA / / __:__ □ AM □ PM				
NA / / __:__ □ AM □ PM				

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FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

Observation Date: December 29, 2010

Observers Name: Lijun Xu

Title: MACTEC, Consultant

Signature:

Time Discharge Began: 12/29/10 7:00 AM

Observation Time: 7:25 AM – 8:59 AM

Were Pollutants Observed: Yes
(If yes, complete reverse side)

Drainage Location Description	Observation Time	Were Pollutants Observed
*C-B01-1a	8: 30 A.M.	■ YES ☐ NO
C-B03-2	8: 59 A.M.	☐ YES ■ NO
C-B05-3	9: 32 A.M.	■ YES ☐ NO
C-B05-4	8: 49 A.M.	☐ YES ■ NO
C-B06-5	7: 45 A.M.	■ YES ☐ NO
C-B07-6	8: 45 A.M.	☐ YES ■ NO
C-B07-7	7: 25 A.M.	☐ YES ■ NO
C-B08-8	8: 10 A.M.	☐ YES ■ NO
*C-B12-9a	8: 25 A.M.	☐ YES ■ NO
*C-B08-10a	7: 40 A.M.	■ YES ☐ NO

Observation Date: January 2011

Observer's Name: Annie Martin

Title: Senior Environmental Specialist

Signature:

Time Discharge Began: None – no discharge during daylight hours

Observation Time: NA

Were Pollutants Observed: NA
(If yes, complete reverse side

Drainage Location Description	Observation Time	Were Pollutants Observed
C-B01-1	: A.M. / PM	☐ YES ☐ NO
C-B03-2	: A.M. / PM	☐ YES ☐ NO
C-B05-3	: A.M. / PM	☐ YES ☐ NO
C-B05-4	: A.M. / PM	☐ YES ☐ NO
C-B06-5	: A.M. / PM	☐ YES ☐ NO
C-B07-6	: A.M. / PM	☐ YES ☐ NO
C-B07-7	: A.M. / PM	☐ YES ☐ NO
C-B08-8	: A.M. / PM	☐ YES ☐ NO
C-B12-9	: A.M. / PM	☐ YES ☐ NO
C-B09-10	: A.M. / PM	☐ YES ☐ NO

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SIDE B

FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

DATE/TIME OF OBSERVATION (From Reverse Side)	DRAINAGE AREA DESCRIPTION	DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc.	IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS	DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION
12/29/10 8:30 ■ AM □ PM	*CB01-1a (sheet flow observed due to installation of a BMP)	Discharge was cloudy and brown.	No source identified.	NA
12/29/10 9:32 ■ AM □ PM	CB05-3	Discharge was brown with suspended solids.	No source identified.	NA
12/29/10 7:45 ■ AM □ PM	CB06-5	Discharge was cloudy and yellow with foam and sheen.	No source identified.	NA
12/29/10 8:45 ■ AM □ PM	CB07-6	No pollutants were observed. Petroleum odor was noted with the discharge.	This site is connected to an oil/water separator but no sheen was observed.No source identified.	NA
12/29/10 7:40 ■ AM □ PM	*CB08-10a (alternate site used due to construction)	Discharge contained leaves, grass, and suspended solids.	No source identified.	NA
NA / / : □ AM □ PM				

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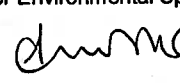
FORM 4 – MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

Observation Date: February 2011

Observer's Name: Annie Martin

Title: Senior Environmental Specialist

Signature: 

Time Discharge Began: None – no discharge during daylight hours

Observation Time: NA

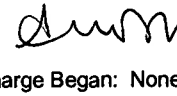
Were Pollutants Observed: NA
(If yes, complete reverse side

Drainage Location Description	Observation Time	Were Pollutants Observed
C-B01-1	: A.M. / PM	☐ YES ☐ NO
C-B03-2	: A.M. / PM	☐ YES ☐ NO
C-B05-3	: A.M. / PM	☐ YES ☐ NO
C-B05-4	: A.M. / PM	☐ YES ☐ NO
C-B06-5	: A.M. / PM	☐ YES ☐ NO
C-B07-6	: A.M. / PM	☐ YES ☐ NO
C-B07-7	: A.M. / PM	☐ YES ☐ NO
C-B08-8	: A.M. / PM	☐ YES ☐ NO
C-B12-9	: A.M. / PM	☐ YES ☐ NO
C-B09-10	: A.M. / PM	☐ YES ☐ NO

Observation Date: March 2011

Observer's Name: Annie Martin

Title: Senior Environmental Specialist

Signature: 

Time Discharge Began: None – no discharge during daylight hours

Observation Time: NA

Were Pollutants Observed: NA
(If yes, complete reverse side

Drainage Location Description	Observation Time	Were Pollutants Observed
C-B01-1	: A.M. / PM	☐ YES ☐ NO
C-B03-2	: A.M. / PM	☐ YES ☐ NO
C-B05-3	: A.M. / PM	☐ YES ☐ NO
C-B05-4	: A.M. / PM	☐ YES ☐ NO
C-B06-5	: A.M. / PM	☐ YES ☐ NO
C-B07-6	: A.M. / PM	☐ YES ☐ NO
C-B07-7	: A.M. / PM	☐ YES ☐ NO
C-B08-8	: A.M. / PM	☐ YES ☐ NO
C-B12-9	: A.M. / PM	☐ YES ☐ NO
C-B09-10	: A.M. / PM	☐ YES ☐ NO

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FORM 4 – MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE B

DATE/TIME OF OBSERVATION (From Reverse Side)	DRAINAGE AREA DESCRIPTION	DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc.	IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS	DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				

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FORM 4 – MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

Observation Date: April 2011

Observer's Name: Annie Martin

Title: Senior Environmental Specialist

Signature:

Time Discharge Began: None – no discharge during daylight hours

Observation Time: NA

Were Pollutants Observed: NA
(If yes, complete reverse side

Drainage Location Description	Observation Time	Were Pollutants Observed
C-B01-1	: A.M. / PM	☐ YES ☐ NO
C-B03-2	: A.M. / PM	☐ YES ☐ NO
C-B05-3	: A.M. / PM	☐ YES ☐ NO
C-B05-4	: A.M. / PM	☐ YES ☐ NO
C-B06-5	: A.M. / PM	☐ YES ☐ NO
C-B07-6	: A.M. / PM	☐ YES ☐ NO
C-B07-7	: A.M. / PM	☐ YES ☐ NO
C-B08-8	: A.M. / PM	☐ YES ☐ NO
C-B12-9	: A.M. / PM	☐ YES ☐ NO
C-B09-10	: A.M. / PM	☐ YES ☐ NO

Observation Date: May 17, 2011

Observers Name: Lijun Xu

Title: MACTEC, Consultant

Signature:

Time Discharge Began: 5/15/11 9:26 AM

Observation Time: 9:32 AM – 10:50 AM

Were Pollutants Observed: Yes
(If yes, complete reverse side)

Drainage Location Description	Observation Time	Were Pollutants Observed
*C-B01-1a	No flow for observation	■ YES ☐ NO
C-B03-2	10:50 A.M.	☐ YES ■ NO
C-B05-3	No flow for observation	☐ YES ■ NO
C-B05-4	No flow for observation	☐ YES ■ NO
C-B06-5	9:55 A.M.	■ YES ☐ NO
C-B07-6	10:30 A.M.	☐ YES ■ NO
C-B07-7	9:32 A.M.	☐ YES ■ NO
C-B08-8	10:23 A.M.	☐ YES ■ NO
*C-B12-9a	10:15 A.M.	☐ YES ■ NO
*C-B08-10a	9:40 A.M.	☐ YES ■ NO

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SIDE B

FORM 4 – MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

DATE/TIME OF OBSERVATION (From Reverse Side)	DRAINAGE AREA DESCRIPTION	DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc.	IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS	DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION
5/17/11 9:46 ■ AM □ PM	*CB01-1a (alternate site used due to construction)	There was no flow at this station but there was standing water which had foam in it.	No source identified.	NA
5/17/11 9:55 ■ AM □ PM	CB06-5	Some foam was observed.	No source identified.	NA
5/17/11 10 :30 ■ AM □ PM	CB07-6	No pollutants were observed. Light gasoline smell at the site.	This site is connected to an oil/water separator but no sheen was observed.	NA
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				

2010-2011 Annual Report
FORM 5 – ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: February – March 2011 **INSPECTOR NAME:** Annie Martin **TITLE:** Senior Environmental Specialist **SIGNATURE:**

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? / ARE ADDITIONAL/REVISED BMPs NECESSARY?	If yes to either question, complete the next two columns of this form.	DESCRIBE DEFICIENCIES IN BMPs OR BMP IMPLEMENTATION	DESCRIBE ADDITIONAL/REVISED BMPs OR CORRECTIVE ACTIONS AND THEIR DATE(S) OF IMPLEMENTATION
Allied Aviation (2/21/11)	Yes / No		• An old tank stored outside needs to be disposed of. • A hydrant was found leaking causing water to discharge into the storm drain.	Allied Aviation was notified of the deficiency by e-mail. Confirmation that the deficiencies were abated was received on 4/22/11.
LPI (2/22/11)	Yes / No		• Accumulation trash/sediment outdoors.	LPI was notified of the deficiency by e-mail. Confirmation that the deficiencies were abated was received on 3/9/11.
Landmark Aviation (2/22/11)	Yes / No		• Improper storage of gasoline containers and equipment containing liquids. • Minor leaking of fueling trucks. • Waste oil tank overhead cover is not sufficient and allows rain water to enter. • Areas of operation are not swept regularly enough. • Dumpsters not covered. • Old tires need secondary containment and cover	Landmark Aviation was notified of the deficiency by e-mail. Confirmation that the deficiencies were abated was received on 3/15/11.

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FORM 5 – ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: February – March 2011 **INSPECTOR NAME:** Annie Martin **TITLE:** Senior Environmental Specialist **SIGNATURE:**

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? / ARE ADDITIONAL/REVISED BMPs NECESSARY?	If yes to either question, complete the next two columns of this form.	DESCRIBE DEFICIENCIES IN BMPs OR BMP IMPLEMENTATION	DESCRIBE ADDITIONAL/REVISED BMPs OR CORRECTIVE ACTIONS AND THEIR DATE(S) OF IMPLEMENTATION
American Eagle (2/23/11)	Yes / No		• Trash accumulation in outdoor operational areas. • Dumpsters that are used to transport trash removed from aircrafts were missing covers.	American Eagle was notified of the deficiency by e-mail. Confirmation that the deficiencies were abated was received on 4/22/11.
Sky West (2/24/11)	Yes / No		• Leaking tug carts need maintenance. • Unused equipment that is stored outdoors is not properly contained/covered. • No lid on FOD collection container.	Sky West was notified of the deficiency by e-mail. Confirmation that the deficiencies were abated was received on 4/22/11.
Virgin America (2/24/11)	Yes / No		• Trash/sediment accumulation within outdoor operational area.	Virgin America was notified of the deficiency by e-mail. Confirmation that the deficiencies were abated was received on 2/28/11.

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POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: February – March 2011 **INSPECTOR NAME:** Annie Martin **TITLE:** Senior Environmental Specialist **SIGNATURE:**

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? / ARE ADDITIONAL/REVISED BMPs NECESSARY?	If yes to either question, complete the next two columns of this form.	DESCRIBE DEFICIENCIES IN BMPs OR BMP IMPLEMENTATION	DESCRIBE ADDITIONAL/REVISED BMPs OR CORRECTIVE ACTIONS AND THEIR DATE(S) OF IMPLEMENTATION
ASIG (2/28/11)	Yes / No		• Poor knowledge from mechanical staff of how to perform proper fueling. • Unused equipment that is stored outdoors is not properly contained/covered. • Fresh fuel spots were observed under equipment. • Minimal protection of storm drain and improper clean-ups in the fuel truck parking area.	ASIG was notified of the deficiency by e-mail. Confirmation that the deficiencies were abated was received on 2/28/11.
Frontier Airlines (2/28/11)	Yes / No		• Trash/sediment accumulation in outdoor operational area. • Trash receptacles/FOD buckets did not have lids.	Frontier was notified of the deficiency by e-mail. Confirmation that the deficiencies were abated was received on 3/25/11.
Flagship (3/1/11)	Yes / No		• Trash accumulation in outdoor operational areas. • Unused equipment that is stored outdoors is not properly contained/covered. • Equipment was not drained of all fluids • Improper storage of significant materials.	Flagship was notified of the deficiency by e-mail. Confirmation that the deficiencies were abated was received on 3/30/11.

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FORM 5 – ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: February – March 2011 **INSPECTOR NAME:** Annie Martin **TITLE:** Senior Environmental Specialist **SIGNATURE:**

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? / ARE ADDITIONAL/REVISED BMPs NECESSARY?	If yes to either question, complete the next two columns of this form.	DESCRIBE DEFICIENCIES IN BMPs OR BMP IMPLEMENTATION	DESCRIBE ADDITIONAL/REVISED BMPs OR CORRECTIVE ACTIONS AND THEIR DATE(S) OF IMPLEMENTATION
ATI (3/2/11)	Yes / No		• Unused equipment that is stored outdoors is not properly contained/covered. • Improper disposal of scrap metal. • No spill kit within operational area. • Improper maintenance of equipment stored within operational area. • Trash/sediment accumulation in outdoor operational area.	ATI was notified of the deficiency by e-mail. Confirmation that the deficiencies were abated was received on 5/17/11.
UPS (3/2/11)	Yes / No		• Trash/sediment accumulation in outdoor operational area. • No lid on dumpsters/trash receptacles.	UPS was notified of the deficiency by e-mail. Confirmation that the deficiencies were abated was received on 3/18/11.
American (3/3/11)	Yes / No		• Sediment accumulation observed around the aircraft wash rack valve area. • Unused equipment that is stored outdoors is not properly contained/covered. • Over fueling of equipment causing leaking.	American was notified of the deficiency by e-mail. Confirmation that the deficiencies were abated was received on 3/31/11.

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POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: February – March 2011 **INSPECTOR NAME:** Annie Martin **TITLE:** Senior Environmental Specialist **SIGNATURE:**

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? / ARE ADDITIONAL/REVISED BMPs NECESSARY?	If yes to either question, complete the next two columns of this form.	DESCRIBE DEFICIENCIES IN BMPs OR BMP IMPLEMENTATION	DESCRIBE ADDITIONAL/REVISED BMPs OR CORRECTIVE ACTIONS AND THEIR DATE(S) OF IMPLEMENTATION
ELS (3/3/11)	Yes / No		• Unused equipment that is stored outdoors is not properly contained/covered. • Trash/debris accumulation in outdoor operational area.	ELS was notified of the deficiency by e-mail. Confirmation that the deficiencies were abated was received on 3/11/11.
San Diego County Regional Airport Authority (3/3/11)	Yes / No		• Puddled water was observed next to the fire hydrant/hose by trench channel area. • Sediment found beneath and behind the sweeper unit. • Improper cover and no secondary containment for batteries stored in outdoor storage areas. • Water leakage from hoses at the trash compactor area was found draining towards the storm drain.	SDCRAA was notified of the deficiency by e-mail. Confirmation that the deficiencies were abated was received 4/27/11.
Allegiant Air (3/4/11)	Yes / No		• Trash/sediment accumulation in outdoor operational areas. • Incomplete draining of lavatory truck hoses and cleaning of spills of lavatory wastes.	Allegiant was notified of the deficiency by e-mail. Confirmation that the deficiencies were abated was received on 3/10/11.

2010-2011 Annual Report
FORM 5 – ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: February – March 2011 **INSPECTOR NAME:** Annie Martin **TITLE:** Senior Environmental Specialist **SIGNATURE:**

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? / ARE ADDITIONAL/REVISED BMPs NECESSARY?	If yes to either question, complete the next two columns of this form.	DESCRIBE DEFICIENCIES IN BMPs OR BMP IMPLEMENTATION	DESCRIBE ADDITIONAL/REVISED BMPs OR CORRECTIVE ACTIONS AND THEIR DATE(S) OF IMPLEMENTATION
Alaska Airlines (3/4/11)	Yes / No		• Water leaking on ramp from air conditioning units. • Oil spots under DAL equipment. • Unused equipment that is stored outdoors is not properly contained/covered.	Alaska was notified of the deficiency by e-mail. Confirmation that the deficiencies were abated was received on 3/21/11.
Hawaiian Airlines (3/7/11)	Yes / No		• FOD was observed near Gate 20 on the ground. • Improper storage of used gloves ourdoors.	Hawaiian was notified of the deficiency by e-mail. Confirmation that the deficiencies were abated was received on 4/11/11.
HMS Host (3/8/11)	Yes / No		• Uncovered dumpsters and trash cans. • Untimely manner of trash disposal. • Unused equipment that is stored outdoors is not properly contained/covered. • Trash/sediment accumulation in outdoor operational area.	HMS Host was notified of the deficiency by e-mail. Confirmation that the deficiencies were abated was received on 3/25/11.
Air Canada (3/9/11)	Yes / No		• Trash/sediment accumulation in outdoor operational area. • Unused equipment that is stored outdoors is not properly contained/covered.	Alaska was notified of the deficiency by e-mail. Confirmation that the deficiencies were abated was received on 4/22/11.

2010-2011 Annual Report
FORM 5 – ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: February – March 2011 **INSPECTOR NAME:** Annie Martin **TITLE:** Senior Environmental Specialist **SIGNATURE:**

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	**HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?** / **ARE ADDITIONAL/REVISED BMPs NECESSARY?**	If yes to either question, complete the next two columns of this form.	**DESCRIBE DEFICIENCIES IN BMPs OR BMP IMPLEMENTATION**	**DESCRIBE ADDITIONAL/REVISED BMPs OR CORRECTIVE ACTIONS AND THEIR DATE(S) OF IMPLEMENTATION**
US Airways (3/10/11)	Yes / No		• Trash/sediment accumulation in outdoor operational area. • Uncovered outdoor dumpsters. • Untimely manner of trash disposal. • Fresh stains were observed in equipment/vehicle parking area as well as beneath GSE.	US Air was notified of the deficiency by e-mail. Confirmation that the deficiencies were abated was received on 3/22/11.
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) **United Airlines** (3/11/11)	**HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?** Yes **ARE ADDITIONAL/REVISED BMPs NECESSARY?** No	If yes to either question, complete the next two columns of this form.	**DESCRIBE DEFICIENCIES IN BMPs OR BMP IMPLEMENTATION** • Dripping and leaking was found under large soap container, equipment/generator on trailer, and equipment in maintenance shop area. • Improper storage of lavatory chemicals and soap. • Trash can without lid. • Trash/sediment accumulation in outdoor operational area. • Incomplete draining of lavatory truck hoses. • Insufficient containment of lavatory wastes while servicing planes. • Improper storage of tires in the Timco work space.	**DESCRIBE ADDITIONAL/REVISED BMPs OR CORRECTIVE ACTIONS AND THEIR DATE(S) OF IMPLEMENTATION** United was notified of the deficiency by e-mail. Confirmation that the deficiencies were abated was received on 4/18/11.

2010-2011 Annual Report
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Southwest Airlines (3/15/11)	Yes / No		• Recycling dumpster did not have a lid/cover. • Unused equipment that is stored outdoors is not properly contained/covered. • Trash/sediment accumulation in cargo loading/unloading area. • Fresh oil was observed underneath Pacific Aircraft Maintenance truck.	Southwest was notified of the deficiency by e-mail. Confirmation that the deficiencies were abated was received on 4/6/11.
ARFF (3/16/11)	Yes / No		• Uncovered outdoor trash can. • No secondary containment for a 5 gallon bucket of paint stored outdoors.	ARFF was notified of the deficiency by e-mail. Confirmation that the deficiencies were abated was received on 4/25/11.
Delta (3/17/11)	Yes / No		• Maintenance was being performed mostly outside of the roll up door. • Fresh oil spots were observed beneath equipment that is awaiting repair outdoors.	Delta was notified of the deficiency by e-mail. Confirmation that the deficiencies were abated was received on 4/8/11.

Attachment 4

Analytical Data for Storm Events

First Storm Event

SIERRA ANALYTICAL

24 January 2011

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

RE:San Diego Airport

Work Order No.: 1012352

Attached are the results of the analyses for samples received by the laboratory on 12/20/10 17:50.

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

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

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

Sincerely,

Richard K. Forsyth

Richard K. Forsyth

Laboratory Director

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

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/24/11 10:57

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-B01-1A-12-19-10	1012352-01	Liquid	12/19/10 23:05	12/20/10 17:50
C-B03-2-12-19-10	1012352-02	Liquid	12/19/10 23:08	12/20/10 17:50
C-B05-3-12-20-10	1012352-03	Liquid	12/20/10 00:15	12/20/10 17:50
C-B05-4-12-19-10	1012352-04	Liquid	12/19/10 23:14	12/20/10 17:50
C-B06-5-12-19-10	1012352-05	Liquid	12/19/10 22:45	12/20/10 17:50
C-B07-6-12-19-10	1012352-06	Liquid	12/19/10 23:04	12/20/10 17:50
C-B07-7-12-19-10	1012352-07	Liquid	12/19/10 22:15	12/20/10 17:50
C-B08-8-12-19-10	1012352-08	Liquid	12/19/10 22:30	12/20/10 17:50
C-B08-10A-12-19-10	1012352-09	Liquid	12/19/10 22:45	12/20/10 17:50
C-B12-9A-12-19-10	1012352-10	Liquid	12/19/10 22:45	12/20/10 17:50
S-B06-12-12-19-10	1012352-11	Liquid	12/20/10 00:15	12/20/10 17:50
C-B05-3-DUP-12-20-10	1012352-12	Liquid	12/20/10 00:15	12/20/10 17:50
C-B03-2-BL-12-19-10	1012352-13	Liquid	12/19/10 23:08	12/20/10 17:50

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.

Polychlorinated Bipheny (PCB) analysis of aqueous samples containing less than 5% solids (by weight) performed by EPA Method 608. PCB analysis of solid portion of samples containing greater than 5% solids (by weight) performed by EPA Method 8082 and aqueous portion analyzed by EPA Method 608.

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	01/24/11 10:57

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1A-12-19-10 (1012352-01) Liquid	**Sampled: 12/19/10 23:05**		**Received: 12/20/10 17:50**						
Ammonia as N	**1.45**	0.100	mg/L	1	B0L2830	12/20/10	12/20/10 19:30	SM 4500-NH3	
Biochemical Oxygen Demand	**13.6**	2.00	"	"	"	"	12/25/10 19:30	EPA 405.1	
Chemical Oxygen Demand	**32.0**	0.100	"	"	"	"	12/20/10 19:30	EPA 410.4	
Specific Conductance (EC)	**62.9**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.150**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.79**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**12.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B03-2-12-19-10 (1012352-02) Liquid	**Sampled: 12/19/10 23:08**		**Received: 12/20/10 17:50**						
Ammonia as N	**2.10**	0.100	mg/L	1	B0L2830	12/20/10	12/20/10 19:30	SM 4500-NH3	
Biochemical Oxygen Demand	ND	2.00	"	"	"	"	12/25/10 19:30	EPA 405.1	
Chemical Oxygen Demand	**4.10**	0.100	"	"	"	"	12/20/10 19:30	EPA 410.4	
Specific Conductance (EC)	**91.9**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.160**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.90**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**4.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B05-3-12-20-10 (1012352-03) Liquid	**Sampled: 12/20/10 00:15**		**Received: 12/20/10 17:50**						
Ammonia as N	**1.30**	0.100	mg/L	1	B0L2830	12/20/10	12/20/10 19:30	SM 4500-NH3	
Biochemical Oxygen Demand	**9.10**	2.00	"	"	"	"	12/25/10 19:30	EPA 405.1	
Chemical Oxygen Demand	**32.0**	0.100	"	"	"	"	12/20/10 19:30	EPA 410.4	
Specific Conductance (EC)	**219**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	**2.40**	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.120**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**7.82**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**25.0**	1.00	mg/L	"	"	"	"	EPA 160.2	

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	01/24/11 10:57

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B05-4-12-19-10 (1012352-04) Liquid	**Sampled: 12/19/10 23:14**		**Received: 12/20/10 17:50**						
Ammonia as N	**0.750**	0.100	mg/L	1	B0L2830	12/20/10	12/20/10 19:30	SM 4500-NH3	
Biochemical Oxygen Demand	**11.0**	2.00	"	"	"	"	12/25/10 19:30	EPA 405.1	
Chemical Oxygen Demand	**38.0**	0.100	"	"	"	"	12/20/10 19:30	EPA 410.4	
Specific Conductance (EC)	**152**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.140**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**7.37**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**5.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B06-5-12-19-10 (1012352-05) Liquid	**Sampled: 12/19/10 22:45**		**Received: 12/20/10 17:50**						
Ammonia as N	**2.85**	0.100	mg/L	1	B0L2830	12/20/10	12/20/10 19:30	SM 4500-NH3	
Biochemical Oxygen Demand	**10.4**	2.00	"	"	"	"	12/25/10 19:30	EPA 405.1	
Chemical Oxygen Demand	**29.0**	0.100	"	"	"	"	12/20/10 19:30	EPA 410.4	
Specific Conductance (EC)	**164**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.150**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**7.09**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**7.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B07-6-12-19-10 (1012352-06) Liquid	**Sampled: 12/19/10 23:04**		**Received: 12/20/10 17:50**						
Ammonia as N	**1.50**	0.100	mg/L	1	B0L2830	12/20/10	12/20/10 19:30	SM 4500-NH3	
Biochemical Oxygen Demand	**23.0**	2.00	"	"	"	"	12/25/10 19:30	EPA 405.1	
Chemical Oxygen Demand	**107**	0.100	"	"	"	"	12/20/10 19:30	EPA 410.4	
Specific Conductance (EC)	**115**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.130**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.72**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**15.0**	1.00	mg/L	"	"	"	"	EPA 160.2	

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	01/24/11 10:57

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B07-7-12-19-10 (1012352-07) Liquid	**Sampled: 12/19/10 22:15**		**Received: 12/20/10 17:50**						
Ammonia as N	**1.05**	0.100	mg/L	1	B0L2830	12/20/10	12/20/10 19:30	SM 4500-NH3	
Biochemical Oxygen Demand	**11.9**	2.00	"	"	"	"	12/25/10 19:30	EPA 405.1	
Chemical Oxygen Demand	**27.0**	0.100	"	"	"	"	12/20/10 19:30	EPA 410.4	
Specific Conductance (EC)	**163**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.160**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.62**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**13.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B08-8-12-19-10 (1012352-08) Liquid	**Sampled: 12/19/10 22:30**		**Received: 12/20/10 17:50**						
Ammonia as N	**0.850**	0.100	mg/L	1	B0L2830	12/20/10	12/20/10 19:30	SM 4500-NH3	
Biochemical Oxygen Demand	ND	2.00	"	"	"	"	12/25/10 19:30	EPA 405.1	
Chemical Oxygen Demand	**2.10**	0.100	"	"	"	"	12/20/10 19:30	EPA 410.4	
Specific Conductance (EC)	**76.5**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	ND	0.0500	"	"	"	"	"	EPA 425.1	
pH	**7.04**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	ND	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B08-10A-12-19-10 (1012352-09) Liquid	**Sampled: 12/19/10 22:45**		**Received: 12/20/10 17:50**						
Ammonia as N	**1.05**	0.100	mg/L	1	B0L2830	12/20/10	12/20/10 19:30	SM 4500-NH3	
Biochemical Oxygen Demand	ND	2.00	"	"	"	"	12/25/10 19:30	EPA 405.1	
Chemical Oxygen Demand	**3.50**	0.100	"	"	"	"	12/20/10 19:30	EPA 410.4	
Specific Conductance (EC)	**60.4**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.110**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.87**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**10.0**	1.00	mg/L	"	"	"	"	EPA 160.2	

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	01/24/11 10:57

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B12-9A-12-19-10 (1012352-10) Liquid Sampled: 12/19/10 22:45 Received: 12/20/10 17:50									
Ammonia as N	**0.800**	0.100	mg/L	1	B0L2830	12/20/10	12/20/10 19:30	SM 4500-NH3	
Biochemical Oxygen Demand	**2.20**	2.00	"	"	"	"	12/25/10 19:30	EPA 405.1	
Chemical Oxygen Demand	**5.00**	0.100	"	"	"	"	12/20/10 19:30	EPA 410.4	
Specific Conductance (EC)	**87.8**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	ND	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.88**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**3.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B05-3-DUP-12-20-10 (1012352-12) Liquid Sampled: 12/20/10 00:15 Received: 12/20/10 17:50									
Ammonia as N	**1.55**	0.100	mg/L	1	B0L2830	12/20/10	12/20/10 19:30	SM 4500-NH3	
Biochemical Oxygen Demand	**9.80**	2.00	"	"	"	"	12/25/10 19:30	EPA 405.1	
Chemical Oxygen Demand	**34.0**	0.100	"	"	"	"	12/20/10 19:30	EPA 410.4	
Specific Conductance (EC)	**217**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	**2.60**	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.130**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**7.80**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**27.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B03-2-BL-12-19-10 (1012352-13) Liquid Sampled: 12/19/10 23:08 Received: 12/20/10 17:50									
Ammonia as N	ND	0.100	mg/L	1	B0L2830	12/20/10	12/20/10 19:30	SM 4500-NH3	
Biochemical Oxygen Demand	ND	2.00	"	"	"	"	12/25/10 19:30	EPA 405.1	
Chemical Oxygen Demand	ND	0.100	"	"	"	"	12/20/10 19:30	EPA 410.4	
Specific Conductance (EC)	**1.27**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	ND	0.0500	"	"	"	"	"	EPA 425.1	
pH	**7.90**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	ND	1.00	mg/L	"	"	"	"	EPA 160.2	

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	01/24/11 10:57

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1A-12-19-10 (1012352-01) Liquid	**Sampled: 12/19/10 23:05**		**Received: 12/20/10 17:50**						
Aluminum	**850**	50	µg/L	2	B0L2706	12/27/10	12/28/10 14:30	EPA 200.8	
Copper	**26**	2.0	"	"	"	"	"	"	
Iron	**0.99**	0.050	mg/L	"	"	"	"	"	
Lead	**4.3**	2.0	µg/L	"	"	"	"	"	
Zinc	**69**	2.0	"	"	"	"	"	"	
C-B03-2-12-19-10 (1012352-02) Liquid	**Sampled: 12/19/10 23:08**		**Received: 12/20/10 17:50**						
Aluminum	**190**	25	µg/L	1	B0L2706	12/27/10	12/28/10 14:35	EPA 200.8	
Copper	**140**	1.0	"	"	"	"	"	"	
Iron	**0.22**	0.025	mg/L	"	"	"	"	"	
Lead	**4.9**	1.0	µg/L	"	"	"	"	"	
Zinc	**58**	1.0	"	"	"	"	"	"	
C-B05-3-12-20-10 (1012352-03) Liquid	**Sampled: 12/20/10 00:15**		**Received: 12/20/10 17:50**						
Aluminum	**3400**	25	µg/L	1	B0L2706	12/27/10	12/28/10 14:36	EPA 200.8	
Copper	**18**	1.0	"	"	"	"	"	"	
Iron	**3.7**	0.025	mg/L	"	"	"	"	"	
Lead	**14**	1.0	µg/L	"	"	"	"	"	
Zinc	**64**	1.0	"	"	"	"	"	"	
C-B05-4-12-19-10 (1012352-04) Liquid	**Sampled: 12/19/10 23:14**		**Received: 12/20/10 17:50**						
Aluminum	**250**	25	µg/L	1	B0L2706	12/27/10	12/28/10 14:38	EPA 200.8	
Copper	**81**	1.0	"	"	"	"	"	"	
Iron	**0.61**	0.025	mg/L	"	"	"	"	"	
Lead	**1.7**	1.0	µg/L	"	"	"	"	"	
Zinc	**130**	1.0	"	"	"	"	"	"	

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/24/11 10:57

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B06-5-12-19-10 (1012352-05) Liquid	**Sampled: 12/19/10 22:45**		**Received: 12/20/10 17:50**						
Aluminum	**980**	25	µg/L	1	B0L2706	12/27/10	12/28/10 14:39	EPA 200.8	
Copper	**170**	1.0	"	"	"	"	"	"	
Iron	**1.0**	0.025	mg/L	"	"	"	"	"	
Lead	**2.9**	1.0	µg/L	"	"	"	"	"	
Zinc	**110**	1.0	"	"	"	"	"	"	
C-B07-6-12-19-10 (1012352-06) Liquid	**Sampled: 12/19/10 23:04**		**Received: 12/20/10 17:50**						
Aluminum	**200**	25	µg/L	1	B0L2706	12/27/10	12/28/10 14:41	EPA 200.8	
Copper	**110**	1.0	"	"	"	"	"	"	
Iron	**0.58**	0.025	mg/L	"	"	"	"	"	
Lead	**1.1**	1.0	µg/L	"	"	"	"	"	
Zinc	**520**	1.0	"	"	"	"	"	"	
C-B07-7-12-19-10 (1012352-07) Liquid	**Sampled: 12/19/10 22:15**		**Received: 12/20/10 17:50**						
Aluminum	**34**	25	µg/L	1	B0L2706	12/27/10	12/28/10 14:42	EPA 200.8	
Copper	**56**	1.0	"	"	"	"	12/28/10 15:25	"	
Iron	**0.048**	0.025	mg/L	"	"	"	12/28/10 14:42	"	
Lead	ND	1.0	µg/L	"	"	"	"	"	
Zinc	**160**	1.0	"	"	"	"	12/28/10 15:25	"	
C-B08-8-12-19-10 (1012352-08) Liquid	**Sampled: 12/19/10 22:30**		**Received: 12/20/10 17:50**						
Aluminum	**600**	25	µg/L	1	B0L2706	12/27/10	12/28/10 14:47	EPA 200.8	
Copper	**72**	1.0	"	"	"	"	"	"	
Iron	**0.75**	0.025	mg/L	"	"	"	"	"	
Lead	**3.8**	1.0	µg/L	"	"	"	"	"	
Zinc	**220**	1.0	"	"	"	"	"	"	

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/24/11 10:57

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B08-10A-12-19-10 (1012352-09) Liquid Sampled: 12/19/10 22:45 Received: 12/20/10 17:50									
Aluminum	**370**	25	µg/L	1	B0L2706	12/27/10	12/28/10 14:48	EPA 200.8	
Copper	**35**	1.0	"	"	"	"	"	"	
Iron	**0.52**	0.025	mg/L	"	"	"	"	"	
Lead	**2.2**	1.0	µg/L	"	"	"	"	"	
Zinc	**110**	1.0	"	"	"	"	"	"	
C-B12-9A-12-19-10 (1012352-10) Liquid Sampled: 12/19/10 22:45 Received: 12/20/10 17:50									
Aluminum	**79**	25	µg/L	1	B0L2706	12/27/10	12/28/10 14:50	EPA 200.8	
Copper	**16**	1.0	"	"	"	"	"	"	
Iron	**0.10**	0.025	mg/L	"	"	"	"	"	
Lead	ND	1.0	µg/L	"	"	"	"	"	
Zinc	**49**	1.0	"	"	"	"	"	"	
C-B05-3-DUP-12-20-10 (1012352-12) Liquid Sampled: 12/20/10 00:15 Received: 12/20/10 17:50									
Aluminum	**4100**	25	µg/L	1	B0L2706	12/27/10	12/28/10 14:54	EPA 200.8	
Copper	**20**	1.0	"	"	"	"	"	"	
Iron	**4.5**	0.025	mg/L	"	"	"	"	"	
Lead	**17**	1.0	µg/L	"	"	"	"	"	
Zinc	**74**	1.0	"	"	"	"	"	"	
C-B03-2-BL-12-19-10 (1012352-13) Liquid Sampled: 12/19/10 23:08 Received: 12/20/10 17:50									
Aluminum	ND	25	µg/L	1	B0L2706	12/27/10	12/28/10 14:59	EPA 200.8	
Copper	ND	1.0	"	"	"	"	"	"	
Iron	ND	0.025	mg/L	"	"	"	"	"	
Lead	ND	1.0	µg/L	"	"	"	"	"	
Zinc	ND	1.0	"	"	"	"	"	"	

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MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/24/11 10:57

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1A-12-19-10 (1012352-01) Liquid	**Sampled: 12/19/10 23:05**		**Received: 12/20/10 17:50**						
Copper	**17**	1.0	µg/L	1	B0L2707	12/27/10	12/28/10 15:09	EPA 200.8	
Zinc	**41**	1.0	"	"	"	"	"	"	
C-B03-2-12-19-10 (1012352-02) Liquid	**Sampled: 12/19/10 23:08**		**Received: 12/20/10 17:50**						
Copper	**140**	1.0	µg/L	1	B0L2707	12/27/10	12/28/10 15:14	EPA 200.8	
Zinc	**42**	1.0	"	"	"	"	"	"	
C-B05-3-12-20-10 (1012352-03) Liquid	**Sampled: 12/20/10 00:15**		**Received: 12/20/10 17:50**						
Copper	**4.9**	1.0	µg/L	1	B0L2707	12/27/10	12/28/10 15:19	EPA 200.8	
Zinc	**11**	1.0	"	"	"	"	"	"	
C-B05-4-12-19-10 (1012352-04) Liquid	**Sampled: 12/19/10 23:14**		**Received: 12/20/10 17:50**						
Copper	**72**	1.0	µg/L	1	B0L2707	12/27/10	12/28/10 15:21	EPA 200.8	
Zinc	**120**	1.0	"	"	"	"	"	"	
C-B06-5-12-19-10 (1012352-05) Liquid	**Sampled: 12/19/10 22:45**		**Received: 12/20/10 17:50**						
Copper	**150**	1.0	µg/L	1	B0L2707	12/27/10	12/28/10 15:22	EPA 200.8	
Zinc	**94**	1.0	"	"	"	"	"	"	
C-B07-6-12-19-10 (1012352-06) Liquid	**Sampled: 12/19/10 23:04**		**Received: 12/20/10 17:50**						
Copper	**78**	1.0	µg/L	1	B0L2707	12/27/10	12/28/10 15:24	EPA 200.8	
Zinc	**490**	1.0	"	"	"	"	"	"	
C-B07-7-12-19-10 (1012352-07) Liquid	**Sampled: 12/19/10 22:15**		**Received: 12/20/10 17:50**						
Copper	**12**	1.0	µg/L	1	B0L2707	12/27/10	12/28/10 14:42	EPA 200.8	
Zinc	**31**	1.0	"	"	"	"	"	"	

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/24/11 10:57

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B08-8-12-19-10 (1012352-08) Liquid Sampled: 12/19/10 22:30 Received: 12/20/10 17:50									
Copper	**9.9**	1.0	µg/L	1	B0L2707	12/27/10	12/28/10 15:27	EPA 200.8	
Zinc	**37**	1.0	"	"	"	"	"	"	
C-B08-10A-12-19-10 (1012352-09) Liquid Sampled: 12/19/10 22:45 Received: 12/20/10 17:50									
Copper	**24**	1.0	µg/L	1	B0L2707	12/27/10	12/28/10 15:28	EPA 200.8	
Zinc	**78**	1.0	"	"	"	"	"	"	
C-B12-9A-12-19-10 (1012352-10) Liquid Sampled: 12/19/10 22:45 Received: 12/20/10 17:50									
Copper	**13**	1.0	µg/L	1	B0L2707	12/27/10	12/28/10 15:30	EPA 200.8	
Zinc	**41**	1.0	"	"	"	"	"	"	
C-B05-3-DUP-12-20-10 (1012352-12) Liquid Sampled: 12/20/10 00:15 Received: 12/20/10 17:50									
Copper	**5.0**	1.0	µg/L	1	B0L2707	12/27/10	12/28/10 15:37	EPA 200.8	
Zinc	**9.4**	1.0	"	"	"	"	"	"	
C-B03-2-BL-12-19-10 (1012352-13) Liquid Sampled: 12/19/10 23:08 Received: 12/20/10 17:50									
Copper	ND	1.0	µg/L	1	B0L2707	12/27/10	12/28/10 15:42	EPA 200.8	
Zinc	ND	1.0	"	"	"	"	"	"	

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/24/11 10:57

Organochlorine Pesticides and PCBs by EPA Method 608

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B05-3-12-20-10 (1012352-03) Liquid Sampled: 12/20/10 00:15 Received: 12/20/10 17:50									
PCB-1016	ND	0.50	µg/L	1	B0L2902	12/27/10	12/30/10 08:00	EPA 608	
PCB-1221	ND	0.50	"	"	"	"	"	"	
PCB-1232	ND	0.50	"	"	"	"	"	"	
PCB-1242	ND	0.50	"	"	"	"	"	"	
PCB-1248	ND	0.50	"	"	"	"	"	"	
PCB-1254	ND	0.50	"	"	"	"	"	"	
PCB-1260	ND	0.50	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*134 %*		*42-147*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*110 %*		*42-147*	"	"	"	"	
C-B05-3-DUP-12-20-10 (1012352-12) Liquid Sampled: 12/20/10 00:15 Received: 12/20/10 17:50									
PCB-1016	ND	0.50	µg/L	1	B0L2902	12/27/10	12/30/10 08:00	EPA 608	
PCB-1221	ND	0.50	"	"	"	"	"	"	
PCB-1232	ND	0.50	"	"	"	"	"	"	
PCB-1242	ND	0.50	"	"	"	"	"	"	
PCB-1248	ND	0.50	"	"	"	"	"	"	
PCB-1254	ND	0.50	"	"	"	"	"	"	
PCB-1260	ND	0.50	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*106 %*		*42-147*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*81.2 %*		*42-147*	"	"	"	"	

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	01/24/11 10:57

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1A-12-19-10 (1012352-01) Liquid	**Sampled: 12/19/10 23:05**		**Received: 12/20/10 17:50**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B0L2805	12/28/10	12/28/10 13:53	EPA 8015B	
Surrogate: o-Terphenyl		*101 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*101 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.23**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*101 %*	*60-175*		"	"	"	"	
C-B03-2-12-19-10 (1012352-02) Liquid	**Sampled: 12/19/10 23:08**		**Received: 12/20/10 17:50**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B0L2805	12/28/10	12/28/10 13:53	EPA 8015B	
Surrogate: o-Terphenyl		*121 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*121 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*121 %*	*60-175*		"	"	"	"	
C-B05-3-12-20-10 (1012352-03) Liquid	**Sampled: 12/20/10 00:15**		**Received: 12/20/10 17:50**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B0L2805	12/28/10	12/28/10 13:53	EPA 8015B	
Surrogate: o-Terphenyl		*116 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*116 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.13**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*116 %*	*60-175*		"	"	"	"	
C-B05-4-12-19-10 (1012352-04) Liquid	**Sampled: 12/19/10 23:14**		**Received: 12/20/10 17:50**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B0L2805	12/28/10	12/28/10 13:53	EPA 8015B	
Surrogate: o-Terphenyl		*169 %*	*60-175*		"	"	"	"	
Jet-A	**0.12**	0.050	"	"	"	"	"	"	D-49
Surrogate: o-Terphenyl		*169 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.17**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*169 %*	*60-175*		"	"	"	"	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/24/11 10:57

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B06-5-12-19-10 (1012352-05) Liquid	**Sampled: 12/19/10 22:45**		**Received: 12/20/10 17:50**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B0L2805	12/28/10	12/28/10 13:53	EPA 8015B	
Surrogate: o-Terphenyl		*131 %*	*60-175*		"	"	"	"	
Jet-A	**0.14**	0.050	"	"	"	"	"	"	D-49
Surrogate: o-Terphenyl		*131 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.14**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*131 %*	*60-175*		"	"	"	"	
C-B07-6-12-19-10 (1012352-06) Liquid	**Sampled: 12/19/10 23:04**		**Received: 12/20/10 17:50**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B0L2805	12/28/10	12/28/10 13:53	EPA 8015B	
Surrogate: o-Terphenyl		*108 %*	*60-175*		"	"	"	"	
Jet-A	**0.85**	0.050	"	"	"	"	"	"	D-49
Surrogate: o-Terphenyl		*108 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**1.0**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*108 %*	*60-175*		"	"	"	"	
C-B07-7-12-19-10 (1012352-07) Liquid	**Sampled: 12/19/10 22:15**		**Received: 12/20/10 17:50**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B0L2805	12/28/10	12/28/10 13:53	EPA 8015B	
Surrogate: o-Terphenyl		*138 %*	*60-175*		"	"	"	"	
Jet-A	**0.22**	0.050	"	"	"	"	"	"	D-49
Surrogate: o-Terphenyl		*138 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.44**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*138 %*	*60-175*		"	"	"	"	
C-B08-8-12-19-10 (1012352-08) Liquid	**Sampled: 12/19/10 22:30**		**Received: 12/20/10 17:50**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B0L2805	12/28/10	12/28/10 13:53	EPA 8015B	
Surrogate: o-Terphenyl		*138 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*138 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.10**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*138 %*	*60-175*		"	"	"	"	

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	01/24/11 10:57

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B08-10A-12-19-10 (1012352-09) Liquid Sampled: 12/19/10 22:45 Received: 12/20/10 17:50									
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B0L2805	12/28/10	12/28/10 13:53	EPA 8015B	
Surrogate: o-Terphenyl		*111 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*111 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.55**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*111 %*	*60-175*		"	"	"	"	
C-B12-9A-12-19-10 (1012352-10) Liquid Sampled: 12/19/10 22:45 Received: 12/20/10 17:50									
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B0L2805	12/28/10	12/28/10 13:53	EPA 8015B	
Surrogate: o-Terphenyl		*146 %*	*60-175*		"	"	"	"	
Jet-A	**0.13**	0.050	"	"	"	"	"	"	D-49
Surrogate: o-Terphenyl		*146 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.24**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*146 %*	*60-175*		"	"	"	"	
C-B05-3-DUP-12-20-10 (1012352-12) Liquid Sampled: 12/20/10 00:15 Received: 12/20/10 17:50									
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B0L2805	12/28/10	12/28/10 13:53	EPA 8015B	
Surrogate: o-Terphenyl		*156 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*156 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.069**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*156 %*	*60-175*		"	"	"	"	
C-B03-2-BL-12-19-10 (1012352-13) Liquid Sampled: 12/19/10 23:08 Received: 12/20/10 17:50									
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B0L2805	12/28/10	12/28/10 13:53	EPA 8015B	
Surrogate: o-Terphenyl		*124 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*124 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*124 %*	*60-175*		"	"	"	"	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/24/11 10:57

Metals 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 B0L2706 - EPA 200 Series										
Blank (B0L2706-BLK1)				Prepared: 12/27/10 Analyzed: 12/28/10						
Aluminum	ND	25	µg/L							
Copper	ND	1.0	"							
Iron	ND	0.025	mg/L							
Lead	ND	1.0	µg/L							
Zinc	ND	1.0	"							
Blank (B0L2706-BLK2)				Prepared: 12/27/10 Analyzed: 12/28/10						
Aluminum	ND	25	µg/L							
Copper	ND	1.0	"							
Iron	ND	0.025	mg/L							
Lead	ND	1.0	µg/L							
Zinc	ND	1.0	"							
LCS (B0L2706-BS1)				Prepared: 12/27/10 Analyzed: 12/28/10						
Aluminum	103	25	µg/L	100		103	85-115			
Copper	98.4	1.0	"	100		98.4	85-115			
Iron	0.984	0.025	mg/L	1.00		98.4	85-115			
Lead	96.0	1.0	µg/L	100		96.0	85-115			
Zinc	98.3	1.0	"	100		98.3	85-115			
LCS (B0L2706-BS2)				Prepared: 12/27/10 Analyzed: 12/28/10						
Aluminum	97.8	25	µg/L	100		97.8	85-115			
Copper	97.8	1.0	"	100		97.8	85-115			
Iron	0.992	0.025	mg/L	1.00		99.2	85-115			
Lead	95.7	1.0	µg/L	100		95.7	85-115			
Zinc	96.5	1.0	"	100		96.5	85-115			
Matrix Spike (B0L2706-MS1)	**Source: 1012352-01**			Prepared: 12/27/10 Analyzed: 12/28/10						
Aluminum	1320	50	µg/L	100	850	470	70-130			QM-07
Copper	133	2.0	"	100	26	107	70-130			
Iron	2.20	0.050	mg/L	1.00	0.99	121	70-130			
Lead	110	2.0	µg/L	100	4.3	106	70-130			
Zinc	182	2.0	"	100	69	113	70-130			

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/24/11 10:57

Metals 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 B0L2706 - EPA 200 Series										
Matrix Spike (B0L2706-MS2)	**Source: 1012352-12**			Prepared: 12/27/10		Analyzed: 12/28/10				
Aluminum	4640	25	µg/L	100	4100	540	70-130			QM-07
Copper	111	1.0	"	100	20	91.0	70-130			
Iron	5.65	0.025	mg/L	1.00	4.5	115	70-130			
Lead	109	1.0	µg/L	100	17	92.0	70-130			
Zinc	168	1.0	"	100	74	94.0	70-130			
Matrix Spike Dup (B0L2706-MSD1)	**Source: 1012352-01**			Prepared: 12/27/10		Analyzed: 12/28/10				
Aluminum	1270	50	µg/L	100	850	420	70-130	3.86	30	QM-07
Copper	124	2.0	"	100	26	98.0	70-130	7.00	30	
Iron	2.10	0.050	mg/L	1.00	0.99	111	70-130	4.65	30	
Lead	102	2.0	µg/L	100	4.3	97.7	70-130	7.55	30	
Zinc	174	2.0	"	100	69	105	70-130	4.49	30	
Matrix Spike Dup (B0L2706-MSD2)	**Source: 1012352-12**			Prepared: 12/27/10		Analyzed: 12/28/10				
Aluminum	4710	25	µg/L	100	4100	610	70-130	1.50	30	QM-07
Copper	112	1.0	"	100	20	92.0	70-130	0.897	30	
Iron	5.65	0.025	mg/L	1.00	4.5	115	70-130	0.00	30	
Lead	108	1.0	µg/L	100	17	91.0	70-130	0.922	30	
Zinc	167	1.0	"	100	74	93.0	70-130	0.597	30	

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	01/24/11 10:57

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 B0L2707 - EPA 200 Series										
Blank (B0L2707-BLK1)				Prepared: 12/27/10 Analyzed: 12/28/10						
Copper	ND	1.0	µg/L							
Zinc	ND	1.0	"							
Blank (B0L2707-BLK2)				Prepared: 12/27/10 Analyzed: 12/28/10						
Copper	ND	1.0	µg/L							
Zinc	ND	1.0	"							
LCS (B0L2707-BS1)				Prepared: 12/27/10 Analyzed: 12/28/10						
Copper	97.8	1.0	µg/L	100		97.8	85-115			
Zinc	96.1	1.0	"	100		96.1	85-115			
LCS (B0L2707-BS2)				Prepared: 12/27/10 Analyzed: 12/28/10						
Copper	96.1	1.0	µg/L	100		96.1	85-115			
Zinc	94.3	1.0	"	100		94.3	85-115			
Matrix Spike (B0L2707-MS1)	**Source: 1012352-01**			Prepared: 12/27/10 Analyzed: 12/28/10						
Copper	113	1.0	µg/L	100	17	96.0	70-130			
Zinc	129	1.0	"	100	41	88.0	70-130			
Matrix Spike (B0L2707-MS2)	**Source: 1012352-12**			Prepared: 12/27/10 Analyzed: 12/28/10						
Copper	96.4	1.0	µg/L	100	5.0	91.4	70-130			
Zinc	101	1.0	"	100	9.4	91.6	70-130			
Matrix Spike Dup (B0L2707-MSD1)	**Source: 1012352-01**			Prepared: 12/27/10 Analyzed: 12/28/10						
Copper	113	1.0	µg/L	100	17	96.0	70-130	0.00	30	
Zinc	127	1.0	"	100	41	86.0	70-130	1.56	30	
Matrix Spike Dup (B0L2707-MSD2)	**Source: 1012352-12**			Prepared: 12/27/10 Analyzed: 12/28/10						
Copper	100	1.0	µg/L	100	5.0	95.0	70-130	3.67	30	
Zinc	95.5	1.0	"	100	9.4	86.1	70-130	5.60	30	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/24/11 10:57

Organochlorine Pesticides and PCBs by EPA Method 608 - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0L2902 - EPA 3510C Sep Funnel										
Blank (B0L2902-BLK1)				Prepared: 12/27/10 Analyzed: 12/30/10						
PCB-1016	ND	0.50	µg/L							
PCB-1221	ND	0.50	"							
PCB-1232	ND	0.50	"							
PCB-1242	ND	0.50	"							
PCB-1248	ND	0.50	"							
PCB-1254	ND	0.50	"							
PCB-1260	ND	0.50	"							
Surrogate: Decachlorobiphenyl	*0.169*		*"*	*0.250*		*67.6*	*42-147*			
Surrogate: Tetrachloro-meta-xylene	*0.237*		*"*	*0.250*		*94.8*	*42-147*			
LCS (B0L2902-BS1)				Prepared: 12/27/10 Analyzed: 12/30/10						
PCB-1260	2.01	0.50	µg/L	2.00		100	80-120			
LCS (B0L2902-BS2)				Prepared: 12/27/10 Analyzed: 12/30/10						
PCB-1260	1.89	0.50	µg/L	2.00		94.5	80-120			
LCS Dup (B0L2902-BSD1)				Prepared: 12/27/10 Analyzed: 12/30/10						
PCB-1260	2.22	0.50	µg/L	2.00		111	80-120	9.93	30	

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	01/24/11 10:57

Total Petroleum Hydrocarbons (TPH) by GC/FID - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0L2805 - EPA 3510C Sep Funnel										
Blank (B0L2805-BLK1)				Prepared & Analyzed: 12/28/10						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L							
Jet-A	ND	0.050	"							
Oil Range Organics (C22-C36)	ND	0.050	"							
Surrogate: o-Terphenyl	*0.109*		*"*	*0.100*		*109*	*60-175*			
Surrogate: o-Terphenyl	*0.109*		*"*	*0.100*		*109*	*60-175*			
Surrogate: o-Terphenyl	*0.109*		*"*	*0.100*		*109*	*60-175*			
LCS (B0L2805-BS1)				Prepared & Analyzed: 12/28/10						
Diesel Range Organics (C10-C24)	0.474	0.050	mg/L	0.500		94.8	80-120			
Diesel Range Organics (C10-C24)	0.474	0.050	"	0.500		94.8	80-120			
Diesel Range Organics (C10-C24)	0.474	0.050	"	0.500		94.8	80-120			
LCS (B0L2805-BS2)				Prepared & Analyzed: 12/28/10						
Diesel Range Organics (C10-C24)	0.406	0.050	mg/L	0.500		81.2	80-120			
Diesel Range Organics (C10-C24)	0.406	0.050	"	0.500		81.2	80-120			
Diesel Range Organics (C10-C24)	0.406	0.050	"	0.500		81.2	80-120			
LCS Dup (B0L2805-BSD1)				Prepared & Analyzed: 12/28/10						
Diesel Range Organics (C10-C24)	0.401	0.050	mg/L	0.500		80.2	80-120	16.7	30	
Diesel Range Organics (C10-C24)	0.401	0.050	"	0.500		80.2	80-120	16.7	30	
Diesel Range Organics (C10-C24)	0.401	0.050	"	0.500		80.2	80-120	16.7	30	

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	01/24/11 10:57

Notes and Definitions

D-49	Sample appears to be a mixture of fuel hydrocarbons. Total Petroleum Hydrocarbons quantified using a Jet-A standard for calibration.
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

SIERRA ANALYTICAL LABS, INC.
WET CHEM QA/QC
WORKSHEET

Project No.: 1012352-01
Client: MACTEC

Date Received: 12/20/2010
Date Analyzed: 12/20 to 12/27/10

TEST PARAMETER	RESULT	DUPLICATE RESULT	%DEVIATION (0 - 15)	BLANK	SPIKE CONC.	EXP. RESULTS	RESULTS	%RECOVERY (85 - 115)	CK STD.	STD. RESULTS	INITIALS
COD	32.0	34.0	5.9	0.10	100	132	139	105	300	279	RF
BOD	13.6	14.3	4.9	2.0	-	-	-	-	198	184	RF
ALKALINITY	1.30	1.50	15.0	0.90	-	-	-	-	20.0	18.8	RF
AMMONIA-N	1.45	1.37	5.5	0.10	1.00	2.45	2.58	105	0.5	0.53	RF
TSS	12.0	11.0	8.4	1.0	100	112	116	104	-	-	RF
MBAS	0.15	0.13	14.4	0.10	0.50	0.65	0.69	106	0.5	0.46	RF

Notes:

Project No.:
Client:

Date Received:
Date Analyzed:

TEST PARAMETER	RESULT	DUPLICATE RESULT	%DEVIATION (0 - 15)	BLANK	SPIKE CONC.	EXP. RESULTS	RESULTS	%RECOVERY (85 - 115)	CK STD.	STD. RESULTS	INITIALS
COD											
BOD											
ALKALINITY											
AMMONIA-N											
TSS											
MBAS											

Notes:

TRUESDAIL LABORATORIES, INC.
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14201 FRANKLIN AVENUE · TUSTIN, CALIFORNIA 92780-7008
(714) 730-6239 · FAX (714) 730-6462 · www.truesdail.com

Client: Sierra Analytical Labs, Inc.
26052 Merit Circle, Suite #105
Laguna Hills, CA 92653

Attention: Nick Forsyth
Sample: Liquid / 12 Samples
Project Name: Sierra Project #1012352
Method : EPA 8015B
Investigation: Glycols

REPORT

Laboratory No: 992895
Report Date: January 3, 2011
Sampling Date: December 19-20, 2010
Receiving Date: December 29, 2010
Analysis Date: January 3, 2011
Units: mg/L
Dilution Factor: 2
Reported By: LES

Analytical Results

Sample ID	Sample Description	Propylene Glycol	Ethylene Glycol	Surrogate (1-Butanol)	Surrogate % Recovery
709225-MB	Method Blank	ND	ND	167	83.4%
992895-1	C-B01-1A	ND	ND	188	94.0%
992895-2	C-B03-2	ND	ND	181	90.7%
992895-3	C-B05-3	ND	ND	190	95.1%
992895-4	C-B05-4	ND	ND	168	84.0%
992895-5	C-B06-5	ND	ND	184	92.2%
992895-6	C-B07-6	ND	ND	184	92.2%
992895-7	C-B07-7	ND	ND	173	86.3%
992895-8	C-B08-8	ND	ND	181	90.7%
992895-9	C-B08-10A	ND	ND	172	85.8%
992895-10	C-B12-9A	ND	ND	182	90.8%
992895-11	S-B06-12	ND	ND	175	87.6%
992895-12	C-B05-3-DUP	ND	ND	177	88.5%
Practical Quantitation Limits		5.0	5.0	Surrogate Conc. = 200	APR = 50-200%
Sample RLs		**10.0**	**10.0**		

NOTE: Some samples were analyzed past holding time expiration.

ND: Not detected, or below limit of detection.
RL: Reporting limit, or least amount of analyte quantifiable based on average sample size used and analytical technique employed.
APR: Allowable Percent Recovery

Rossina Tomova, Project Manager
Analytical Services, Truesdail Laboratories, Inc.

TRUESDAIL LABORATORIES, INC.
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14201 FRANKLIN AVENUE · TUSTIN, CALIFORNIA 92780-7008
(714) 730-6239 · FAX (714) 730-6462 · www.truesdail.com

REPORT

Client: Sierra Analytical Labs, Inc.
26052 Merit Circle, Suite #105
Laguna Hills, CA 92653

Attention: Nick Forsyth
Sample: Liquid / 12 Samples
Project Name: Sierra Project #1012352
Method Number: EPA 8015B
Investigation: Glycols

QA/QC Batch No: 709225
Laboratory No: 992895
Report Date: January 3, 2011
Sampling Date: December 19-20, 2010
Receiving Date: December 29, 2010
Analysis Date: January 3, 2011
Units: mg/L
Reported By: LES

Quality Control/Quality Assurance Calibration Check Report

MRCVS

Parameter	Spiked Concentration	Recovered Concentration	Percent Recovery	Flag	Accuracy Control Limits
Propylene Glycol	50.0	47.9	95.8%	PASS	70-130
Ethylene Glycol	50.0	45.1	90.1%	PASS	70-130

Quality Control/Quality Assurance Spikes Report

LCS/LCSD

Parameter	Spike Conc.	Recovered Concentration		Percent Recovery (%)		RPD (%)	Flag	Accuracy Control Limits	
		LCS	LCSD	LCS	LCSD			RPD	% Recovery
Propylene Glycol	50.0	51.5	48.4	103%	96.7%	6.36%	PASS	20	70-130
Ethylene Glycol	50.0	50.8	50.9	102%	102%	0.23%	PASS	20	70-130

MRCVS: Mid Range Calibration Verification Standard
LCS: Laboratory Control Spike
LCSD: Laboratory Control Spike Duplicate
RPD: Relative Percent Difference
Flag: "Pass" if within Control Limits; otherwise "Fail"

Rossina Tomova, Project Manager
Analytical Services, Truesdail Laboratories, Inc.

PTS Laboratories, Inc.

Sierra Analytical Labs, Inc.
PTS File No: 41029

PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D4464M)

PROJECT NAME: N/A
PROJECT NO: 1012352

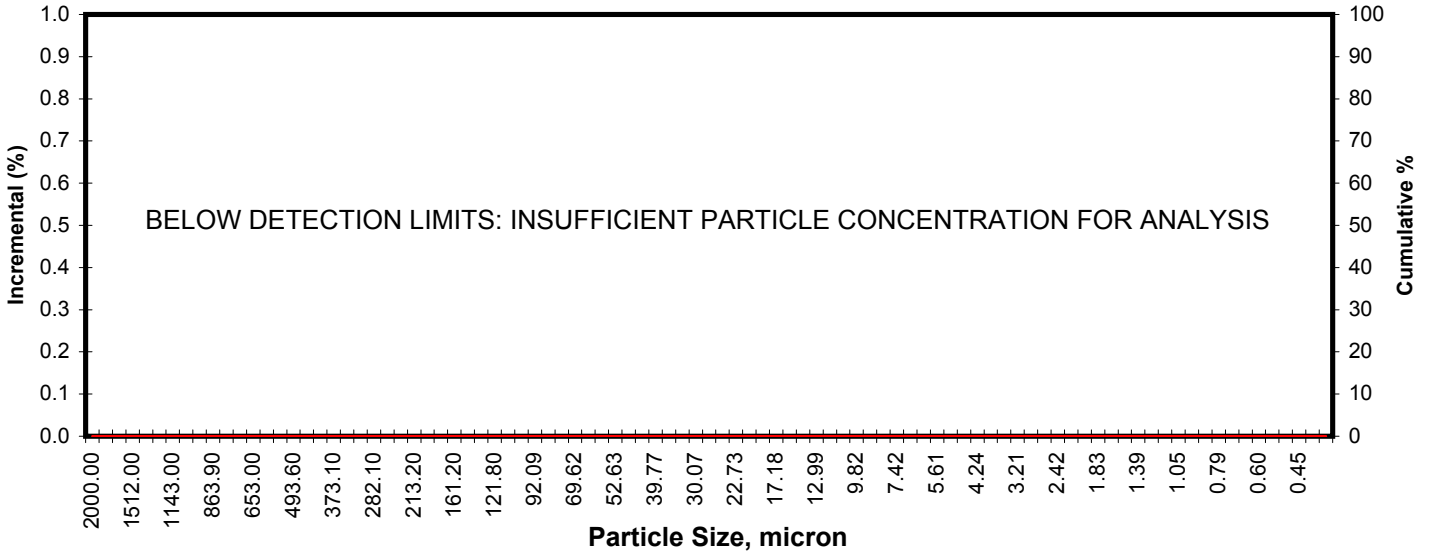
Sample ID	Matrix	Median Grain Size, micron (1)	CUMULATIVE PERCENT GREATER THAN Distribution percent, microns										
			5%	10%	16%	25%	40%	50%	60%	75%	84%	90%	95%
S-B06-12 (1012352-11)	Aqueous	N/A	BELOW DETECTION LIMITS: INSUFFICIENT CONCENTRATION FOR ANALYSIS										

(1) Based on Trask Median

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Sierra Analytical Labs, Inc.	**PTS File No:**	41029
Project:	N/A	**Sample ID:**	S-B06-12 (1012352-11)
Project No:	1012352	**Matrix:**	N/A



Particle Diameter, micron	Particle Distribution	
	Incremental percent	Cumulative percent
2000.00	0.00	0.0
1822.00	0.00	0.0
1660.00	0.00	0.0
1512.00	0.00	0.0
1377.00	0.00	0.0
1255.00	0.00	0.0
1143.00	0.00	0.0
1041.00	0.00	0.0
948.20	0.00	0.0
863.90	0.00	0.0
786.90	0.00	0.0
716.90	0.00	0.0
653.00	0.00	0.0
594.90	0.00	0.0
541.90	0.00	0.0
493.60	0.00	0.0
449.70	0.00	0.0
409.60	0.00	0.0
373.10	0.00	0.0
339.80	0.00	0.0
309.60	0.00	0.0
282.10	0.00	0.0
256.80	0.00	0.0
234.10	0.00	0.0
213.20	0.00	0.0
194.20	0.00	0.0
176.80	0.00	0.0
161.20	0.00	0.0
146.80	0.00	0.0
133.70	0.00	0.0
121.80	0.00	0.0
111.00	0.00	0.0
101.10	0.00	0.0
92.09	0.00	0.0
83.90	0.00	0.0
76.43	0.00	0.0
69.62	0.00	0.0
63.41	0.00	0.0
57.77	0.00	0.0

Particle Diameter, micron	Particle Distribution	
	Incremental percent	Cumulative percent
52.63	0.00	0.0
47.93	0.00	0.0
43.66	0.00	0.0
39.77	0.00	0.0
36.24	0.00	0.0
33.00	0.00	0.0
30.07	0.00	0.0
27.38	0.00	0.0
24.95	0.00	0.0
22.73	0.00	0.0
20.70	0.00	0.0
18.86	0.00	0.0
17.18	0.00	0.0
15.65	0.00	0.0
14.26	0.00	0.0
12.99	0.00	0.0
11.83	0.00	0.0
10.78	0.00	0.0
9.82	0.00	0.0
8.94	0.00	0.0
8.15	0.00	0.0
7.42	0.00	0.0
6.76	0.00	0.0
6.16	0.00	0.0
5.61	0.00	0.0
5.11	0.00	0.0
4.66	0.00	0.0
4.24	0.00	0.0
3.86	0.00	0.0
3.52	0.00	0.0
3.21	0.00	0.0
2.92	0.00	0.0
2.66	0.00	0.0
2.42	0.00	0.0
2.21	0.00	0.0
2.01	0.00	0.0
1.83	0.00	0.0
1.67	0.00	0.0
1.52	0.00	0.0

Particle Diameter, micron	Particle Distribution	
	Incremental percent	Cumulative percent
1.385	0.000	0.0
1.261	0.000	0.0
1.149	0.000	0.0
1.047	0.000	0.0
0.953	0.000	0.0
0.869	0.000	0.0
0.791	0.000	0.0
0.721	0.000	0.0
0.657	0.000	0.0
0.598	0.000	0.0
0.545	0.000	0.0
0.496	0.000	0.0
0.452	0.000	0.0
0.412	0.000	0.0
0.375	0.000	0.0
TOTALS:	**0.00**	**0.0**

Measure	Trask	Inman
Median, mm	N/A	N/A
Median, micron	N/A	N/A
Mean, mm	N/A	N/A
Mean, micron	N/A	N/A
Sorting	N/A	N/A
Skewness	N/A	N/A
Kurtosis	N/A	N/A

Cumulative Percent greater than		
Distribution percent	Particle Size	
	Micron	Millimeters
#REF!	N/A	N/A
#REF!	N/A	N/A
#REF!	N/A	N/A
#REF!	N/A	N/A
#REF!	N/A	N/A
#REF!	N/A	N/A
#REF!	N/A	N/A
#REF!	N/A	N/A
#REF!	N/A	N/A
#REF!	N/A	N/A
0	N/A	N/A

Phone: (562) 907-3607 Fax: (562) 907-3611

SIERRA ANALYTICAL

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CHAIN OF CUSTODY RECORD

Date: 12/20/10 Page: 1 of 7

Lab Work Order No.: 1010352

Client: MACTEC
Client Address: 9177 SKY PARK COURT
SAN DIEGO, CA 92123
Client Tel. No.: (858) 278-3600
Client Fax. No.: (858) 278-5300
Client Proj. Mgr.:

Client Project ID: SAN DIEGO AIRPORT

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

Analyses Requested

Geotracker EDD Info:
Client LOGCODE
Site Global ID

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	pH, TSS, Specific Conductance, (SC), tot(Al,Cu,Fe,Pb,Zn), diss(Cu,Zn), BOD, COD, ammonia, MBAS	ethylene glycol	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)	Field Point Names / Comments
C-B01-1a- 12-19-10	01	12/19/10	23:05	STORMWATER	NONE	PLASTIC	2	X				
C-B01-1a- 12-19-10		12/19/10	23:05	STORMWATER	NONE	40ml VOA	2		X			
C-B01-1a- 12-19-10		12/19/10	23:05	STORMWATER	NONE	CLR GLASS	1			X		
C-B01-1a- 12-19-10		12/19/10	23:05	STORMWATER	NONE	AMBER GLASS	1				X	
C-B03-2- 12-19-10	02	12/19/10	23:08	STORMWATER	NONE	PLASTIC	2	X				
C-B03-2- 12-19-10		12/19/10	23:08	STORMWATER	NONE	40ml VOA	2		X			
C-B03-2- 12-19-10		12/19/10	23:08	STORMWATER	NONE	CLR GLASS	1			X		
C-B03-2- 12-19-10		12/19/10	23:08	STORMWATER	NONE	AMBER GLASS	1				X	
C-B05-3- 12-20-10	03	12/20/10	00:15	STORMWATER	NONE	PLASTIC	2	X				
C-B05-3- 12-20-10		12/20/10	00:15	STORMWATER	NONE	40ml VOA	2		X			

1 Sampler Signature: Lijun Xu
Printed Name: Lijun Xu
Shipped Via:
(Carrier/Waybill No.)

2 Relinquished By: Anna K. Wernet Date: 12/20/10 Time: 17:50
Company: MACTEC
Received By: Date: 12/20/10 Time: 1750
Company: Sierra

3 Relinquished By: Date: Time:
Company:
Received By: Date: Time:
Company:

4 Relinquished By: Date: Time:
Company:
Received By: Date: Time:
Company:

Special Instructions: Please clean 3 dirty bottles that are being shipped with samples.

Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses 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.

Total Number of Containers Received by Laboratory

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

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☑ Intact ☑ Chilled - Temp (°C) 4.0
☐ Sample Seals ☐ Preservatives - Verified By
☑ Properly Labelled ☐ Other
☑ Appropriate Sample Container ☑ Storage Location Workroom - R105

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

Rev: 021104

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CHAIN OF CUSTODY RECORD

Date: 12/20/10 Page: 2 of 7

Lab Work Order No.: 1012353

Client: MACTEC
Client Address: 9177 SKY PARK COURT
SAN DIEGO, CA 92123
Client Tel. No.: (858) 278-3600
Client Fax. No.: (858) 278-5300
Client Proj. Mgr.:

Client Project ID: SAN DIEGO 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

Analyses Requested

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	pH, TSS, Specific Conductance, (SC) tot(Al,Cu,Fe, Pb,Zn), diss(Cu,Zn), BOD, COD, ammonia, MBAS	ethylene glycol	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)	PCB							Field Point Names / Comments
C-B05-3- 12-20-10	03	12/20/10	00:15	STORMWATER	NONE	CLR GLASS	1			X									
C-B05-3- 12-20-10	↓	12/20/10	00:15	STORMWATER	NONE	AMBER GLASS	1				X								
C-B05-3- 12-20-10	↓	12/20/10	00:15	STORMWATER	NONE	AMBER GLASS	1					X							
C-B05-4- 12-19-10	04	12/19/10	23:14	STORMWATER	NONE	PLASTIC	2	X											
C-B05-4- 12-19-10	↓	12/19/10	23:14	STORMWATER	NONE	40 ml VOA	2		X										
C-B05-4- 12-19-10	↓	12/19/10	23:14	STORMWATER	NONE	CLR GLASS	1			X									
C-B05-4- 12-19-10	↓	12/19/10	23:14	STORMWATER	NONE	AMBER GLASS	1				X								
C-B06-5- 12-19-10	05	12/19/10	22:45	STORMWATER	NONE	PLASTIC	2	X											
C-B06-5- 12-19-10	↓	12/19/10	22:45	STORMWATER	NONE	40 ml VOA	2		X										
		~~12/19/10~~	~~22:45~~																

1 Sampler Signature: [signature] Shipped Via:
Printed Name: Lijun Xu (Carrier/Waybill No.)

2 Relinquished By: Anna K. Wernet Date: 12/20/10 Received By: [signature] Date: 12/20/10
Company: MACTEC Time: 17:50 Company: Sierra Time: 1750

3 Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

4 Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

Special Instructions:

Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses 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.

Total Number of Containers Received by Laboratory

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

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☑ Intact ☑ Chilled - Temp (°C) 4.0
☐ Sample Seals ☐ Preservatives - Verified By
☑ Properly Labelled ☐ Other
☑ Appropriate Sample Container ☑ Storage Location Walk-in R1

Rev. 021104

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

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CHAIN OF CUSTODY RECORD

Date: 12 / 20 / 10 Page: 3 of 7

Lab Work Order No.: ~~1012752~~ 1012354

Client:	MACTEC
Client Address:	9177 SKY PARK COURT
	SAN DIEGO, CA 92123
Client Tel. No.:	(858) 278-3600
Client Fax. No.:	(858) 278-5300
Client Proj. Mgr.:	

Client Project ID: SAN DIEGO AIRPORT

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

Analyses Requested

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	pH, TSS, Specific Conductance, (SC) tot(Al,Cu,Fe, Pb,Zn), diss(Cu,Zn), BOD, COD, ammonia, MBAS	ethylene glycol	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)
C-B06-5- 12-19-10	05	12/19/10	22:45	STORMWATER	NONE	CLR GLASS	1			X	
C-B06-5- 12-19-10	↓	12/19/10	22:45	STORMWATER	NONE	AMBER GLASS	1				X
C-B07-6- 12-19-10	06	12/19/10	23:04	STORMWATER	NONE	PLASTIC	2	X			
C-B07-6- 12-19-10		12/19/10	23:04	STORMWATER	NONE	40ml VOA	2		X		
C-B07-6- 12-19-10		12/19/10	23:04	STORMWATER	NONE	CLR GLASS	1			X	
C-B07-6- 12-19-10	↓	12/19/10	23:04	STORMWATER	NONE	AMBER GLASS	1				X
C-B07-7- 12-19-10	07	12/19/10	22:15	STORMWATER	NONE	PLASTIC	2	X			
C-B07-7- 12-19-10		12/19/10	22:15	STORMWATER	NONE	40ml VOA	2		X		
C-B07-7- 12-19-10		12/19/10	22:15	STORMWATER	NONE	CLR GLASS	1			X	
C-B07-7- 12-19-10	↓	12/19/10	22:15	STORMWATER	NONE	AMBER GLASS	1				X

Geotracker EDD Info:

Client LOGCODE

Site Global ID

Field Point Names / Comments

1 Sampler Signature:

Printed Name: LiJun Yu

Shipped Via:

(Carrier/Waybill No.)

Total Number of Containers Submitted to Laboratory

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

2 Relinquished By: Anna E. Weinert	Date: 12/20/10	Received By:	Date: 12/20/10
Company: MACTEC	Time: 17:50	Company: Sierra	Time: 1750
3 Relinquished By:	Date:	Received By:	Date:
Company:	Time:	Company:	Time:
4 Relinquished By:	Date:	Received By:	Date:
Company:	Time:	Company:	Time:

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses 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.**

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 R105

Rev.: 021104

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

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CHAIN OF CUSTODY RECORD

Date: 12 / 20 / 10 Page: 4 of 7

Lab Work Order No.: 1012352

Client: MACTEC
Client Address: 9177 SKY PARK COURT
SAN DIEGO, CA 92123
Client Tel. No.: (858) 278-3600
Client Fax. No.: (858) 278-5300
Client Proj. Mgr.:

Client Project ID: SAN DIEGO AIRPORT

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

Analyses Requested

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	pH, TSS, Specific Conductance, (SC), tot(Al,Cu,Fe,Pb,Zn), diss(Cu,Zn), BOD, COD, ammonia, MBAS	ethylene glycol	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)	Geotracker EDD Info: Client LOGCODE / Site Global ID / Field Point Names / Comments
C-B08-8- 12-19-10	08	12/19/10	22:30	STORMWATER	NONE	PLASTIC	2	X				
C-B08-8- 12-19-10		12/19/10	22:30	STORMWATER	NONE	40ml VOA	2		X			
C-B08-8- 12-19-10		12/19/10	22:30	STORMWATER	NONE	CLR GLASS	1			X		
C-B08-8- 12-19-10		12/19/10	22:30	STORMWATER	NONE	AMBER GLASS	1				X	
C-B08-10a- 12-19-10	09	12/19/10	22:45	STORMWATER	NONE	PLASTIC	2	X				
C-B08-10a- 12-19-10		12/19/10	22:45	STORMWATER	NONE	40ml VOA	2		X			
C-B08-10a- 12-19-10		12/19/10	22:45	STORMWATER	NONE	CLR GLASS	1			X		
C-B08-10a- 12-19-10		12/19/10	22:45	STORMWATER	NONE	AMBER GLASS	1				X	
C-B12-9a- 12-19-10	10	12/19/10	22:45	STORMWATER	NONE	PLASTIC	2	X				composite together with S-B08-2 and analyze as 1 sample
C-B12-9a- 12-19-10		12/19/10	22:45	STORMWATER	NONE	40ml VOA	2		X			

☐ Sampler Signature:
Printed Name: Ligun Xu
Shipped Via:
(Carrier/Waybill No.)

Total Number of Containers Submitted to Laboratory

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

2 Relinquished By: Anna K. Wernet	Date: 12/20/10	Received By:	Date: 12/20/10
Company: MACTEC.	Time: 17:50	Company: Sierra	Time: 1750
3 Relinquished By:	Date:	Received By:	Date:
Company:	Time:	Company:	Time:
4 Relinquished By:	Date:	Received By:	Date:
Company:	Time:	Company:	Time:

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses 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.

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 R105

Rev: 021104

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CHAIN OF CUSTODY RECORD

Date: 12 / 20 / 10 Page: 5 of 7

Lab Work Order No.: 1012352

Client: MACTEC
Client Address: 9177 SKY PARK COURT
SAN DIEGO, CA 92123
Client Tel. No.: (858) 278-3600
Client Fax. No.: (858) 278-5300
Client Proj. Mgr.:

Client Project ID: SAN DIEGO AIRPORT

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

Analyses Requested

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	ethylene glycol	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)	Particle size distribution	pH, TSS, SC, tot(Al,Cu,Fe,Pb,Zn), diss(Cu,Zn) BOD, COD, O&G	Field Point Names / Comments
C-B12-9a- 12-19-10	10	12/19/10	22:45	STORMWATER	NONE	CLR GLASS	1		X				composite together with S-B08-1 and analyze as 1 sample
C-B12-9a- 12-19-10	↓	12/19/10	22:45	STORMWATER	NONE	AMBER GLASS	1			X			
~~S-B06-12-~~				STORMWATER	~~NONE~~	~~5 GALL GLASS~~	~~1~~					X	composite together with S-B11-4 and analyze as 1 sample
S-B06-12- 12-19-10	11	12/20/10	00:15	STORMWATER	NONE	40ml VOA	2	X					composite together with S-B09-3 and analyze as 1 sample
S-B06-12- 12-19-10	↓	12/20/10	00:15	STORMWATER	NONE	AMBER GLASS	1				X		
				STORMWATER	NONE	5 GALL GLASS							
				STORMWATER	NONE	40ml VOA							
				STORMWATER	~~NONE~~	~~AMBER GLASS~~							
				STORMWATER	~~NONE~~	~~5 GALL GLASS~~							
				STORMWATER	NONE	40ml VOA							

Geotracker EDD Info:
Client LOGCODE
Site Global ID

1 Sampler Signature: [signature] Shipped Via:
Printed Name: Lizhun Xu (Carrier/Waybill No.)

2 Relinquished By: Anna K. Weinet Date: 12/20/10 Time: 17:50 Received By: [signature] Date: 12/20/10 Time: 1750
Company: MACTEC Company: Severn

3 Relinquished By: Date: Time: Received By: Date: Time:
Company: Company:

4 Relinquished By: Date: Time: Received By: Date: Time:
Company: Company:

Special Instructions:

Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses 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.

Total Number of Containers Received by Laboratory

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

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☑ Intact ☑ Chilled - Temp (°C) 4.6
☐ Sample Seals ☐ Preservatives - Verified By
☑ Properly Labelled ☐ Other
☑ Appropriate Sample Container ☑ Storage Location C105

Rev: 021104

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

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CHAIN OF CUSTODY RECORD

Date: 12 / 20 / 10 Page: 6 of 7

Lab Work Order No.: 1010358

Client: MACTEC
Client Address: 9177 SKY PARK COURT
SAN DIEGO, CA 92123
Client Tel. No.: (858) 278-3600
Client Fax. No.: (858) 278-5300
Client Proj. Mgr.:

Client Project ID: SAN DIEGO AIRPORT

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

Analyses Requested

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	pH, TSS, Specific Conductance, (SC), ammonia, MBAS tot(Al,Cu,Fe,Pb,Zn), diss(Cu,Zn), BOD, COD.	ethylene glycol	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)	PCB
C-B05-3-12-20-10 -DUP	12	12/20/10	00:15	STORMWATER	NONE	PLASTIC	2	X				
C-B05-3-12-20-10 -DUP		12/20/10	00:15	STORMWATER	NONE	40ml VOA	2		X			
C-B05-3-12-20-10 -DUP		12/20/10	00:15	STORMWATER	NONE	CLR GLASS	1			X		
C-B05-3-12-20-10 -DUP		12/20/10	00:15	STORMWATER	NONE	AMBER GLASS	1				X	
C-B05-3-12-20-10 -DUP		12/20/10	00:15	STORMWATER	NONE	AMBER GLASS	1					X

Geotracker EDD Info:
Client LOGCODE
Site Global ID
Field Point Names / Comments

1 Sampler Signature:
Printed Name: Lijun Xu
Shipped Via:
(Carrier/Waybill No.)

2 Relinquished By: Anna K. Wernet Date: 12/20/10 Time: 17:50
Company: MACTEC
Received By: Sierra Date: 12/20/10 Time: 1750

3 Relinquished By: Date: Time:
Company:
Received By: Date: Time:
Company:

4 Relinquished By: Date: Time:
Company:
Received By: Date: Time:
Company:

Special Instructions:

Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses 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.

Total Number of Containers Received by Laboratory

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

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☑ Intact ☑ Chilled - Temp (°C) 4.0
☐ Sample Seals ☐ Preservatives - Verified By
☑ Properly Labelled ☐ Other
☑ Appropriate Sample Container ☑ Storage Location 2005 / werdon

Rev: 02/10-1

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

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

CHAIN OF CUSTODY RECORD

Date: 12, 20, 10 Page: 7 of 7

Lab Work Order No.: 1012354

Client:	MACTEC
Client Address:	9177 SKY PARK COURT SAN DIEGO, CA 92123
Client Tel. No.:	(858) 278-3600
Client Fax. No.:	(858) 278-5300
Client Proj. Mgr.:	

Client Project ID: SAN DIEGO AIRPORT

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

Analyses Requested

Geotracker EDD Info:

Client LOGCODE

Site Global ID

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	pH, TSS, Specific Conductance, (SC) tot(Al,Cu,Fe,Pb,Zn), diss(Cu,Zn), BOD, COD, ammonia, MBAS	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)	pH, TSS, Specific Conductance, (SC) tot (Al,Cu,Fe,Pb,Zn), diss(Cu,Zn), BOD, COD, oil & grease	pH, TSS, Specific Conductance, (SC) tot (Al,Cu,Fe,Pb,Zn), BOD, COD, oil & grease	Field Point Names / Comments
C-B-03-2-12-19-10-BL	13	12/19/10	23:08	STORMWATER	NONE	PLASTIC	2	X					
C-B-03-2-12-19-10-BL	↓	12/19/10	23:08	STORMWATER	NONE	CLR GLASS	1		X				
C-B-03-2-12-19-10-BL	↓	12/19/10	23:08	STORMWATER	NONE	AMBER GLASS	1			X			
~~S-B06-12-DUP~~				~~STORMWATER~~	NONE	5 GALL GLASS	1				X		
~~S-B06-12-BL~~				~~STORMWATER~~	NONE	5 GALL GLASS	1					X	

1 Sampler Signature: [signature] Printed Name: Lijun Xu

Shipped Via: (Carrier Waybill No.)

2 Relinquished By: Anna K. Wernet Date: 12/20/10 Time: 17:50 Company: MACTEC

Received By: [signature] Date: 12/20/10 Time: 1750 Company: Sierra

3 Relinquished By: Date: Time: Company:

Received By: Date: Time: Company:

4 Relinquished By: Date: Time: Company:

Received By: Date: Time: Company:

Special Instructions:

Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses 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.

Total Number of Containers Received by Laboratory

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

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☑ Intact ☑ Chilled - Temp (°C) 4.0
☐ Sample Seals ☐ Preservatives - Verified By
☑ Properly Labelled ☐ Other
☑ Appropriate Sample Container ☑ Storage Location 405-Werner

Rev: 021104

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

Second Storm Event

24 January 2011

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

RE:San Diego Airport

Work Order No.: 1012472

Attached are the results of the analyses for samples received by the laboratory on 12/29/10 16:50.

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	01/24/11 11:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-B01-1A-12-29-10	1012472-01	Liquid	12/29/10 08:30	12/29/10 16:50
C-B03-2-12-29-10	1012472-02	Liquid	12/29/10 08:59	12/29/10 16:50
C-B05-3-12-29-10	1012472-03	Liquid	12/29/10 09:32	12/29/10 16:50
C-B05-4-12-29-10	1012472-04	Liquid	12/29/10 08:49	12/29/10 16:50
C-B06-5-12-29-10	1012472-05	Liquid	12/29/10 07:45	12/29/10 16:50
C-B07-6-12-29-10	1012472-06	Liquid	12/29/10 08:45	12/29/10 16:50
C-B07-7-12-29-10	1012472-07	Liquid	12/29/10 07:25	12/29/10 16:50
C-B08-8-12-29-10	1012472-08	Liquid	12/29/10 08:10	12/29/10 16:50
C-B08-10A-12-29-10	1012472-09	Liquid	12/29/10 07:40	12/29/10 16:50
C-B12-9A-12-29-10	1012472-10	Liquid	12/29/10 08:25	12/29/10 16:50
S-B06-12-12-29-10	1012472-11	Liquid	12/29/10 08:00	12/29/10 16:50
C-B06-5-DUP-12-29-10	1012472-12	Liquid	12/29/10 07:45	12/29/10 16:50
C-B05-4-BL-12-29-10	1012472-13	Liquid	12/29/10 08:49	12/29/10 16:50

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.

Polychlorinated Bipheny (PCB) analysis of aqueous samples containing less than 5% solids (by weight) performed by EPA Method 608. PCB analysis of solid portion of samples containing greater than 5% solids (by weight) performed by EPA Method 8082 and aqueous portion analyzed by EPA Method 608.

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/24/11 11:29

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1A-12-29-10 (1012472-01) Liquid	**Sampled: 12/29/10 08:30**		**Received: 12/29/10 16:50**						
Ammonia as N	**1.34**	0.100	mg/L	1	B1A0461	12/29/10	12/29/10 17:15	SM 4500-NH3	
Biochemical Oxygen Demand	**10.5**	2.00	"	"	"	"	01/03/11 17:15	EPA 405.1	
Chemical Oxygen Demand	**26.8**	0.100	"	"	"	"	12/29/10 17:15	EPA 410.4	
Specific Conductance (EC)	**45.9**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.160**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.95**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**7.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B03-2-12-29-10 (1012472-02) Liquid	**Sampled: 12/29/10 08:59**		**Received: 12/29/10 16:50**						
Ammonia as N	**1.75**	0.100	mg/L	1	B1A0461	12/29/10	12/29/10 17:15	SM 4500-NH3	
Biochemical Oxygen Demand	ND	2.00	"	"	"	"	01/03/11 17:15	EPA 405.1	
Chemical Oxygen Demand	**3.80**	0.100	"	"	"	"	12/29/10 17:15	EPA 410.4	
Specific Conductance (EC)	**61.7**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.110**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**7.39**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**1.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B05-3-12-29-10 (1012472-03) Liquid	**Sampled: 12/29/10 09:32**		**Received: 12/29/10 16:50**						
Ammonia as N	**1.42**	0.100	mg/L	1	B1A0461	12/29/10	12/29/10 17:15	SM 4500-NH3	
Biochemical Oxygen Demand	**10.8**	2.00	"	"	"	"	01/03/11 17:15	EPA 405.1	
Chemical Oxygen Demand	**48.0**	0.100	"	"	"	"	12/29/10 17:15	EPA 410.4	
Specific Conductance (EC)	**147**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	**2.70**	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	ND	0.0500	"	"	"	"	"	EPA 425.1	
pH	**8.15**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**32.0**	1.00	mg/L	"	"	"	"	EPA 160.2	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/24/11 11:29

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B05-4-12-29-10 (1012472-04) Liquid	**Sampled: 12/29/10 08:49**		**Received: 12/29/10 16:50**						
Ammonia as N	**0.840**	0.100	mg/L	1	B1A0461	12/29/10	12/29/10 17:15	SM 4500-NH3	
Biochemical Oxygen Demand	**10.2**	2.00	"	"	"	"	01/03/11 17:15	EPA 405.1	
Chemical Oxygen Demand	**41.6**	0.100	"	"	"	"	12/29/10 17:15	EPA 410.4	
Specific Conductance (EC)	**101**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.120**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**7.62**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**9.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B06-5-12-29-10 (1012472-05) Liquid	**Sampled: 12/29/10 07:45**		**Received: 12/29/10 16:50**						
Ammonia as N	**2.40**	0.100	mg/L	1	B1A0461	12/29/10	12/29/10 17:15	SM 4500-NH3	
Biochemical Oxygen Demand	**8.90**	2.00	"	"	"	"	01/03/11 17:15	EPA 405.1	
Chemical Oxygen Demand	**23.0**	0.100	"	"	"	"	12/29/10 17:15	EPA 410.4	
Specific Conductance (EC)	**78.6**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.140**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**7.52**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**5.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B07-6-12-29-10 (1012472-06) Liquid	**Sampled: 12/29/10 08:45**		**Received: 12/29/10 16:50**						
Ammonia as N	**1.38**	0.100	mg/L	1	B1A0461	12/29/10	12/29/10 17:15	SM 4500-NH3	
Biochemical Oxygen Demand	**9.10**	2.00	"	"	"	"	01/03/11 17:15	EPA 405.1	
Chemical Oxygen Demand	**56.0**	0.100	"	"	"	"	12/29/10 17:15	EPA 410.4	
Specific Conductance (EC)	**48.2**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.100**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**7.38**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**6.00**	1.00	mg/L	"	"	"	"	EPA 160.2	

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	01/24/11 11:29

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B07-7-12-29-10 (1012472-07) Liquid	**Sampled: 12/29/10 07:25**		**Received: 12/29/10 16:50**						
Ammonia as N	**0.960**	0.100	mg/L	1	B1A0461	12/29/10	12/29/10 17:15	SM 4500-NH3	
Biochemical Oxygen Demand	**14.9**	2.00	"	"	"	"	01/03/11 17:15	EPA 405.1	
Chemical Oxygen Demand	**34.0**	0.100	"	"	"	"	12/29/10 17:15	EPA 410.4	
Specific Conductance (EC)	**216**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.170**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.91**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**18.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B08-8-12-29-10 (1012472-08) Liquid	**Sampled: 12/29/10 08:10**		**Received: 12/29/10 16:50**						
Ammonia as N	**0.760**	0.100	mg/L	1	B1A0461	12/29/10	12/29/10 17:15	SM 4500-NH3	
Biochemical Oxygen Demand	ND	2.00	"	"	"	"	01/03/11 17:15	EPA 405.1	
Chemical Oxygen Demand	**4.50**	0.100	"	"	"	"	12/29/10 17:15	EPA 410.4	
Specific Conductance (EC)	**131**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	ND	0.0500	"	"	"	"	"	EPA 425.1	
pH	**7.48**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**2.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B08-10A-12-29-10 (1012472-09) Liquid	**Sampled: 12/29/10 07:40**		**Received: 12/29/10 16:50**						
Ammonia as N	**1.09**	0.100	mg/L	1	B1A0461	12/29/10	12/29/10 17:15	SM 4500-NH3	
Biochemical Oxygen Demand	ND	2.00	"	"	"	"	01/03/11 17:15	EPA 405.1	
Chemical Oxygen Demand	**4.00**	0.100	"	"	"	"	12/29/10 17:15	EPA 410.4	
Specific Conductance (EC)	**61.0**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	ND	0.0500	"	"	"	"	"	EPA 425.1	
pH	**7.32**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**6.00**	1.00	mg/L	"	"	"	"	EPA 160.2	

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	01/24/11 11:29

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B12-9A-12-29-10 (1012472-10) Liquid Sampled: 12/29/10 08:25 Received: 12/29/10 16:50									
Ammonia as N	**0.750**	0.100	mg/L	1	B1A0461	12/29/10	12/29/10 17:15	SM 4500-NH3	
Biochemical Oxygen Demand	**2.40**	2.00	"	"	"	"	01/03/11 17:15	EPA 405.1	
Chemical Oxygen Demand	**5.60**	0.100	"	"	"	"	12/29/10 17:15	EPA 410.4	
Specific Conductance (EC)	**104**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	ND	0.0500	"	"	"	"	"	EPA 425.1	
pH	**7.05**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	ND	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B06-5-DUP-12-29-10 (1012472-12) Liquid Sampled: 12/29/10 07:45 Received: 12/29/10 16:50									
Ammonia as N	**2.34**	0.100	mg/L	1	B1A0461	12/29/10	12/29/10 17:15	SM 4500-NH3	
Biochemical Oxygen Demand	**9.10**	2.00	"	"	"	"	01/03/11 17:15	EPA 405.1	
Chemical Oxygen Demand	**25.0**	0.100	"	"	"	"	12/29/10 17:15	EPA 410.4	
Specific Conductance (EC)	**80.2**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.160**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**7.55**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**6.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B05-4-BL-12-29-10 (1012472-13) Liquid Sampled: 12/29/10 08:49 Received: 12/29/10 16:50									
Ammonia as N	ND	0.100	mg/L	1	B1A0461	12/29/10	12/29/10 17:15	SM 4500-NH3	
Biochemical Oxygen Demand	ND	2.00	"	"	"	"	01/03/11 17:15	EPA 405.1	
Chemical Oxygen Demand	**1.00**	0.100	"	"	"	"	12/29/10 17:15	EPA 410.4	
Specific Conductance (EC)	**1.52**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	ND	0.0500	"	"	"	"	"	EPA 425.1	
pH	**7.02**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	ND	1.00	mg/L	"	"	"	"	EPA 160.2	

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	01/24/11 11:29

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1A-12-29-10 (1012472-01) Liquid	**Sampled: 12/29/10 08:30**		**Received: 12/29/10 16:50**						
Aluminum	**240**	25	µg/L	1	B1A0403	01/04/11	01/05/11 14:11	EPA 200.8	
Copper	**22**	1.0	"	"	"	"	"	"	
Iron	**0.27**	0.025	mg/L	"	"	"	"	"	
Lead	**1.5**	1.0	µg/L	"	"	"	"	"	
Zinc	**50**	1.0	"	"	"	"	"	"	
C-B03-2-12-29-10 (1012472-02) Liquid	**Sampled: 12/29/10 08:59**		**Received: 12/29/10 16:50**						
Aluminum	**260**	25	µg/L	1	B1A0403	01/04/11	01/05/11 14:15	EPA 200.8	
Copper	**86**	1.0	"	"	"	"	"	"	
Iron	**0.31**	0.025	mg/L	"	"	"	"	"	
Lead	**4.3**	1.0	µg/L	"	"	"	"	"	
Zinc	**57**	1.0	"	"	"	"	"	"	
C-B05-3-12-29-10 (1012472-03) Liquid	**Sampled: 12/29/10 09:32**		**Received: 12/29/10 16:50**						
Aluminum	**7400**	120	µg/L	5	B1A0403	01/04/11	01/05/11 14:19	EPA 200.8	
Copper	**26**	1.0	"	1	"	"	"	"	
Iron	**7.2**	0.025	mg/L	"	"	"	"	"	
Lead	**28**	1.0	µg/L	"	"	"	"	"	
Zinc	**110**	1.0	"	"	"	"	"	"	
C-B05-4-12-29-10 (1012472-04) Liquid	**Sampled: 12/29/10 08:49**		**Received: 12/29/10 16:50**						
Aluminum	**480**	25	µg/L	1	B1A0403	01/04/11	01/05/11 14:23	EPA 200.8	
Copper	**63**	1.0	"	"	"	"	"	"	
Iron	**0.54**	0.025	mg/L	"	"	"	"	"	
Lead	**2.3**	1.0	µg/L	"	"	"	"	"	
Zinc	**60**	1.0	"	"	"	"	"	"	

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/24/11 11:29

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B06-5-12-29-10 (1012472-05) Liquid	**Sampled: 12/29/10 07:45**		**Received: 12/29/10 16:50**						
Aluminum	**620**	25	µg/L	1	B1A0403	01/04/11	01/05/11 14:34	EPA 200.8	
Copper	**82**	1.0	"	"	"	"	"	"	
Iron	**0.65**	0.025	mg/L	"	"	"	"	"	
Lead	**2.1**	1.0	µg/L	"	"	"	"	"	
Zinc	**60**	1.0	"	"	"	"	"	"	
C-B07-6-12-29-10 (1012472-06) Liquid	**Sampled: 12/29/10 08:45**		**Received: 12/29/10 16:50**						
Aluminum	**170**	25	µg/L	1	B1A0403	01/04/11	01/05/11 14:54	EPA 200.8	
Copper	**43**	1.0	"	"	"	"	"	"	
Iron	**0.33**	0.025	mg/L	"	"	"	"	"	
Lead	**1.7**	1.0	µg/L	"	"	"	"	"	
Zinc	**410**	1.0	"	"	"	"	"	"	
C-B07-7-12-29-10 (1012472-07) Liquid	**Sampled: 12/29/10 07:25**		**Received: 12/29/10 16:50**						
Aluminum	**280**	25	µg/L	1	B1A0403	01/04/11	01/05/11 14:58	EPA 200.8	
Copper	**60**	1.0	"	"	"	"	"	"	
Iron	**0.34**	0.025	mg/L	"	"	"	"	"	
Lead	**2.7**	1.0	µg/L	"	"	"	"	"	
Zinc	**260**	1.0	"	"	"	"	"	"	
C-B08-8-12-29-10 (1012472-08) Liquid	**Sampled: 12/29/10 08:10**		**Received: 12/29/10 16:50**						
Aluminum	**110**	25	µg/L	1	B1A0403	01/04/11	01/05/11 15:01	EPA 200.8	
Copper	**17**	1.0	"	"	"	"	"	"	
Iron	**0.11**	0.025	mg/L	"	"	"	"	"	
Lead	ND	1.0	µg/L	"	"	"	"	"	
Zinc	**87**	1.0	"	"	"	"	"	"	

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/24/11 11:29

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B08-10A-12-29-10 (1012472-09) Liquid Sampled: 12/29/10 07:40 Received: 12/29/10 16:50									
Aluminum	**180**	25	µg/L	1	B1A0403	01/04/11	01/05/11 15:05	EPA 200.8	
Copper	**24**	1.0	"	"	"	"	"	"	
Iron	**0.24**	0.025	mg/L	"	"	"	"	"	
Lead	**1.1**	1.0	µg/L	"	"	"	"	"	
Zinc	**68**	1.0	"	"	"	"	"	"	
C-B12-9A-12-29-10 (1012472-10) Liquid Sampled: 12/29/10 08:25 Received: 12/29/10 16:50									
Aluminum	**69**	25	µg/L	1	B1A0403	01/04/11	01/05/11 15:09	EPA 200.8	
Copper	**17**	1.0	"	"	"	"	"	"	
Iron	**0.071**	0.025	mg/L	"	"	"	"	"	
Lead	**1.0**	1.0	µg/L	"	"	"	"	"	
Zinc	**62**	1.0	"	"	"	"	"	"	
C-B06-5-DUP-12-29-10 (1012472-12) Liquid Sampled: 12/29/10 07:45 Received: 12/29/10 16:50									
Aluminum	**430**	25	µg/L	1	B1A0403	01/04/11	01/05/11 15:13	EPA 200.8	
Copper	**63**	1.0	"	"	"	"	"	"	
Iron	**0.46**	0.025	mg/L	"	"	"	"	"	
Lead	**1.6**	1.0	µg/L	"	"	"	"	"	
Zinc	**56**	1.0	"	"	"	"	"	"	
C-B05-4-BL-12-29-10 (1012472-13) Liquid Sampled: 12/29/10 08:49 Received: 12/29/10 16:50									
Aluminum	ND	25	µg/L	1	B1A0403	01/04/11	01/05/11 15:17	EPA 200.8	
Copper	ND	1.0	"	"	"	"	"	"	
Iron	ND	0.025	mg/L	"	"	"	"	"	
Lead	ND	1.0	µg/L	"	"	"	"	"	
Zinc	ND	1.0	"	"	"	"	"	"	

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/24/11 11:29

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1A-12-29-10 (1012472-01) Liquid	**Sampled: 12/29/10 08:30**		**Received: 12/29/10 16:50**						
Copper	**19**	1.0	µg/L	1	B1A0405	01/04/11	01/05/11 16:44	EPA 200.8	
Zinc	**47**	1.0	"	"	"	"	"	"	
C-B03-2-12-29-10 (1012472-02) Liquid	**Sampled: 12/29/10 08:59**		**Received: 12/29/10 16:50**						
Copper	**70**	1.0	µg/L	1	B1A0405	01/04/11	01/05/11 17:04	EPA 200.8	
Zinc	**52**	1.0	"	"	"	"	"	"	
C-B05-3-12-29-10 (1012472-03) Liquid	**Sampled: 12/29/10 09:32**		**Received: 12/29/10 16:50**						
Copper	**2.7**	1.0	µg/L	1	B1A0405	01/04/11	01/05/11 17:07	EPA 200.8	
Zinc	**8.0**	1.0	"	"	"	"	"	"	
C-B05-4-12-29-10 (1012472-04) Liquid	**Sampled: 12/29/10 08:49**		**Received: 12/29/10 16:50**						
Copper	**43**	1.0	µg/L	1	B1A0405	01/04/11	01/05/11 17:11	EPA 200.8	
Zinc	**46**	1.0	"	"	"	"	"	"	
C-B06-5-12-29-10 (1012472-05) Liquid	**Sampled: 12/29/10 07:45**		**Received: 12/29/10 16:50**						
Copper	**68**	1.0	µg/L	1	B1A0405	01/04/11	01/05/11 17:15	EPA 200.8	
Zinc	**44**	1.0	"	"	"	"	"	"	
C-B07-6-12-29-10 (1012472-06) Liquid	**Sampled: 12/29/10 08:45**		**Received: 12/29/10 16:50**						
Copper	**35**	1.0	µg/L	1	B1A0405	01/04/11	01/05/11 17:19	EPA 200.8	
Zinc	**340**	1.0	"	"	"	"	"	"	
C-B07-7-12-29-10 (1012472-07) Liquid	**Sampled: 12/29/10 07:25**		**Received: 12/29/10 16:50**						
Copper	**49**	1.0	µg/L	1	B1A0405	01/04/11	01/05/11 17:23	EPA 200.8	
Zinc	**200**	1.0	"	"	"	"	"	"	

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/24/11 11:29

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B08-8-12-29-10 (1012472-08) Liquid Sampled: 12/29/10 08:10 Received: 12/29/10 16:50									
Copper	**9.8**	1.0	µg/L	1	B1A0405	01/04/11	01/05/11 17:27	EPA 200.8	
Zinc	**75**	1.0	"	"	"	"	"	"	
C-B08-10A-12-29-10 (1012472-09) Liquid Sampled: 12/29/10 07:40 Received: 12/29/10 16:50									
Copper	**19**	1.0	µg/L	1	B1A0405	01/04/11	01/05/11 17:31	EPA 200.8	
Zinc	**57**	1.0	"	"	"	"	"	"	
C-B12-9A-12-29-10 (1012472-10) Liquid Sampled: 12/29/10 08:25 Received: 12/29/10 16:50									
Copper	**9.2**	1.0	µg/L	1	B1A0405	01/04/11	01/05/11 17:34	EPA 200.8	
Zinc	**53**	1.0	"	"	"	"	"	"	
C-B06-5-DUP-12-29-10 (1012472-12) Liquid Sampled: 12/29/10 07:45 Received: 12/29/10 16:50									
Copper	**51**	1.0	µg/L	1	B1A0405	01/04/11	01/05/11 17:54	EPA 200.8	
Zinc	**41**	1.0	"	"	"	"	"	"	
C-B05-4-BL-12-29-10 (1012472-13) Liquid Sampled: 12/29/10 08:49 Received: 12/29/10 16:50									
Copper	ND	1.0	µg/L	1	B1A0405	01/04/11	01/05/11 18:05	EPA 200.8	
Zinc	ND	1.0	"	"	"	"	"	"	

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/24/11 11:29

Organochlorine Pesticides and PCBs by EPA Method 608

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B05-3-12-29-10 (1012472-03) Liquid	**Sampled: 12/29/10 09:32**		**Received: 12/29/10 16:50**						
PCB-1016	ND	0.50	µg/L	1	B1A0306	01/03/11	01/03/11 14:00	EPA 608	
PCB-1221	ND	0.50	"	"	"	"	"	"	
PCB-1232	ND	0.50	"	"	"	"	"	"	
PCB-1242	ND	0.50	"	"	"	"	"	"	
PCB-1248	ND	0.50	"	"	"	"	"	"	
PCB-1254	ND	0.50	"	"	"	"	"	"	
PCB-1260	ND	0.50	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*132 %*	*42-147*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*114 %*	*42-147*		"	"	"	"	

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	01/24/11 11:29

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1A-12-29-10 (1012472-01) Liquid	**Sampled: 12/29/10 08:30**		**Received: 12/29/10 16:50**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B0L3006	12/30/10	01/02/11 18:05	EPA 8015B	
Surrogate: o-Terphenyl		*99.8 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*99.8 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.68**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*99.8 %*	*60-175*		"	"	"	"	
C-B03-2-12-29-10 (1012472-02) Liquid	**Sampled: 12/29/10 08:59**		**Received: 12/29/10 16:50**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B0L3006	12/30/10	01/02/11 16:59	EPA 8015B	
Surrogate: o-Terphenyl		*121 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*121 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*121 %*	*60-175*		"	"	"	"	
C-B05-3-12-29-10 (1012472-03) Liquid	**Sampled: 12/29/10 09:32**		**Received: 12/29/10 16:50**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B0L3006	12/30/10	01/02/11 18:50	EPA 8015B	
Surrogate: o-Terphenyl		*95.9 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*95.9 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.28**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*95.9 %*	*60-175*		"	"	"	"	
C-B05-4-12-29-10 (1012472-04) Liquid	**Sampled: 12/29/10 08:49**		**Received: 12/29/10 16:50**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B0L3006	12/30/10	01/02/11 17:43	EPA 8015B	
Surrogate: o-Terphenyl		*68.7 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*68.7 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.46**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*68.7 %*	*60-175*		"	"	"	"	

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MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/24/11 11:29

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B06-5-12-29-10 (1012472-05) Liquid	**Sampled: 12/29/10 07:45**		**Received: 12/29/10 16:50**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B0L3006	12/30/10	01/02/11 17:10	EPA 8015B	
Surrogate: o-Terphenyl		*61.6 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*61.6 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*61.6 %*	*60-175*		"	"	"	"	
C-B07-6-12-29-10 (1012472-06) Liquid	**Sampled: 12/29/10 08:45**		**Received: 12/29/10 16:50**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B0L3006	12/30/10	01/02/11 18:27	EPA 8015B	
Surrogate: o-Terphenyl		*102 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*102 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.96**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*102 %*	*60-175*		"	"	"	"	
C-B07-7-12-29-10 (1012472-07) Liquid	**Sampled: 12/29/10 07:25**		**Received: 12/29/10 16:50**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B0L3006	12/30/10	01/02/11 18:38	EPA 8015B	
Surrogate: o-Terphenyl		*151 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*151 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.62**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*151 %*	*60-175*		"	"	"	"	
C-B08-8-12-29-10 (1012472-08) Liquid	**Sampled: 12/29/10 08:10**		**Received: 12/29/10 16:50**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B0L3006	12/30/10	01/02/11 17:54	EPA 8015B	
Surrogate: o-Terphenyl		*139 %*	*60-175*		"	"	"	"	
Jet-A	**0.61**	0.050	"	"	"	"	"	"	D-49
Surrogate: o-Terphenyl		*139 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.76**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*139 %*	*60-175*		"	"	"	"	

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MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/24/11 11:29

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B08-10A-12-29-10 (1012472-09) Liquid Sampled: 12/29/10 07:40 Received: 12/29/10 16:50									
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B0L3006	12/30/10	01/02/11 18:16	EPA 8015B	
Surrogate: o-Terphenyl		*130 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*130 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.64**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*130 %*	*60-175*		"	"	"	"	
C-B12-9A-12-29-10 (1012472-10) Liquid Sampled: 12/29/10 08:25 Received: 12/29/10 16:50									
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B0L3006	12/30/10	01/02/11 17:21	EPA 8015B	
Surrogate: o-Terphenyl		*121 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*121 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.60**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*121 %*	*60-175*		"	"	"	"	
C-B06-5-DUP-12-29-10 (1012472-12) Liquid Sampled: 12/29/10 07:45 Received: 12/29/10 16:50									
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B0L3006	12/30/10	01/02/11 17:32	EPA 8015B	
Surrogate: o-Terphenyl		*68.5 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*68.5 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.34**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*68.5 %*	*60-175*		"	"	"	"	
C-B05-4-BL-12-29-10 (1012472-13) Liquid Sampled: 12/29/10 08:49 Received: 12/29/10 16:50									
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B0L3006	12/30/10	01/02/11 16:48	EPA 8015B	
Surrogate: o-Terphenyl		*116 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*116 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*116 %*	*60-175*		"	"	"	"	

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MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/24/11 11:29

Metals 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 B1A0403 - EPA 200 Series										
Blank (B1A0403-BLK1)				Prepared: 01/04/11 Analyzed: 01/05/11						
Aluminum	ND	25	µg/L							
Copper	ND	1.0	"							
Iron	ND	0.025	mg/L							
Lead	ND	1.0	µg/L							
Zinc	ND	1.0	"							
Blank (B1A0403-BLK2)				Prepared: 01/04/11 Analyzed: 01/05/11						
Aluminum	ND	25	µg/L							
Copper	ND	1.0	"							
Iron	ND	0.025	mg/L							
Lead	ND	1.0	µg/L							
Zinc	ND	1.0	"							
LCS (B1A0403-BS1)				Prepared: 01/04/11 Analyzed: 01/05/11						
Aluminum	90.8	25	µg/L	100		90.8	85-115			
Copper	97.5	1.0	"	100		97.5	85-115			
Iron	0.874	0.025	mg/L	1.00		87.4	85-115			
Lead	100	1.0	µg/L	100		100	85-115			
Zinc	97.7	1.0	"	100		97.7	85-115			
LCS (B1A0403-BS2)				Prepared: 01/04/11 Analyzed: 01/05/11						
Aluminum	95.8	25	µg/L	100		95.8	85-115			
Copper	94.1	1.0	"	100		94.1	85-115			
Iron	0.887	0.025	mg/L	1.00		88.7	85-115			
Lead	97.1	1.0	µg/L	100		97.1	85-115			
Zinc	97.1	1.0	"	100		97.1	85-115			
Matrix Spike (B1A0403-MS1)	**Source: 1012454-01**			Prepared: 01/04/11 Analyzed: 01/05/11						
Aluminum	92.9	25	µg/L	100	15	77.9	70-130			
Copper	101	1.0	"	100	15	86.0	70-130			
Iron	0.751	0.025	mg/L	1.00	0.055	69.6	70-130			QM-07
Lead	91.9	1.0	µg/L	100	1.1	90.8	70-130			
Zinc	114	1.0	"	100	33	81.0	70-130			

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/24/11 11:29

Metals 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 B1A0403 - EPA 200 Series										
Matrix Spike (B1A0403-MS2)	**Source: 1012472-05**			Prepared: 01/04/11		Analyzed: 01/05/11				
Aluminum	847	25	µg/L	100	620	227	70-130			QM-07
Copper	171	1.0	"	100	82	89.0	70-130			
Iron	1.52	0.025	mg/L	1.00	0.65	87.0	70-130			
Lead	99.1	1.0	µg/L	100	2.1	97.0	70-130			
Zinc	151	1.0	"	100	60	91.0	70-130			
Matrix Spike Dup (B1A0403-MSD1)	**Source: 1012454-01**			Prepared: 01/04/11		Analyzed: 01/05/11				
Aluminum	93.0	25	µg/L	100	15	78.0	70-130	0.108	30	
Copper	102	1.0	"	100	15	87.0	70-130	0.985	30	
Iron	0.727	0.025	mg/L	1.00	0.055	67.2	70-130	3.25	30	QM-07
Lead	92.0	1.0	µg/L	100	1.1	90.9	70-130	0.109	30	
Zinc	116	1.0	"	100	33	83.0	70-130	1.74	30	
Matrix Spike Dup (B1A0403-MSD2)	**Source: 1012472-05**			Prepared: 01/04/11		Analyzed: 01/05/11				
Aluminum	868	25	µg/L	100	620	248	70-130	2.45	30	QM-07
Copper	171	1.0	"	100	82	89.0	70-130	0.00	30	
Iron	1.56	0.025	mg/L	1.00	0.65	91.0	70-130	2.60	30	
Lead	97.2	1.0	µg/L	100	2.1	95.1	70-130	1.94	30	
Zinc	151	1.0	"	100	60	91.0	70-130	0.00	30	

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	01/24/11 11:29

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 B1A0405 - EPA 200 Series										
Blank (B1A0405-BLK1)				Prepared: 01/04/11 Analyzed: 01/05/11						
Copper	ND	1.0	µg/L							
Zinc	ND	1.0	"							
Blank (B1A0405-BLK2)				Prepared: 01/04/11 Analyzed: 01/05/11						
Copper	ND	1.0	µg/L							
Zinc	ND	1.0	"							
LCS (B1A0405-BS1)				Prepared: 01/04/11 Analyzed: 01/05/11						
Copper	92.2	1.0	µg/L	100		92.2	85-115			
Zinc	88.0	1.0	"	100		88.0	85-115			
LCS (B1A0405-BS2)				Prepared: 01/04/11 Analyzed: 01/05/11						
Copper	89.5	1.0	µg/L	100		89.5	85-115			
Zinc	86.9	1.0	"	100		86.9	85-115			
Matrix Spike (B1A0405-MS1)	**Source: 1012472-01**			Prepared: 01/04/11 Analyzed: 01/05/11						
Copper	109	1.0	µg/L	100	19	90.0	70-130			
Zinc	126	1.0	"	100	47	79.0	70-130			
Matrix Spike Dup (B1A0405-MSD1)	**Source: 1012472-01**			Prepared: 01/04/11 Analyzed: 01/05/11						
Copper	109	1.0	µg/L	100	19	90.0	70-130	0.00	30	
Zinc	131	1.0	"	100	47	84.0	70-130	3.89	30	

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	01/24/11 11:29

Organochlorine Pesticides and PCBs by EPA Method 608 - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B1A0306 - EPA 3510C Sep Funnel										
Blank (B1A0306-BLK1)				Prepared & Analyzed: 01/03/11						
PCB-1016	ND	0.50	µg/L							
PCB-1221	ND	0.50	"							
PCB-1232	ND	0.50	"							
PCB-1242	ND	0.50	"							
PCB-1248	ND	0.50	"							
PCB-1254	ND	0.50	"							
PCB-1260	ND	0.50	"							
Surrogate: Decachlorobiphenyl	*0.299*		*"*	*0.250*		*120*	*42-147*			
Surrogate: Tetrachloro-meta-xylene	*0.363*		*"*	*0.250*		*145*	*42-147*			
LCS (B1A0306-BS1)				Prepared & Analyzed: 01/03/11						
PCB-1260	2.02	0.50	µg/L	2.00		101	80-120			
LCS (B1A0306-BS2)				Prepared & Analyzed: 01/03/11						
PCB-1260	2.08	0.50	µg/L	2.00		104	80-120			
LCS Dup (B1A0306-BSD1)				Prepared & Analyzed: 01/03/11						
PCB-1260	2.22	0.50	µg/L	2.00		111	80-120	9.43	30	

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	01/24/11 11:29

Total Petroleum Hydrocarbons (TPH) by GC/FID - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0L3006 - EPA 3510C Sep Funnel										
Blank (B0L3006-BLK1)				Prepared: 12/30/10 Analyzed: 01/02/11						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L							
Jet-A	ND	0.050	"							
Oil Range Organics (C22-C36)	ND	0.050	"							
Surrogate: o-Terphenyl	*0.146*		*"*	*0.100*		*146*	*60-175*			
Surrogate: o-Terphenyl	*0.146*		*"*	*0.100*		*146*	*60-175*			
Surrogate: o-Terphenyl	*0.146*		*"*	*0.100*		*146*	*60-175*			
LCS (B0L3006-BS1)				Prepared: 12/30/10 Analyzed: 01/02/11						
Diesel Range Organics (C10-C24)	0.536	0.050	mg/L	0.500		107	80-120			
Diesel Range Organics (C10-C24)	0.536	0.050	"	0.500		107	80-120			
Diesel Range Organics (C10-C24)	0.536	0.050	"	0.500		107	80-120			
LCS (B0L3006-BS2)				Prepared: 12/30/10 Analyzed: 01/02/11						
Diesel Range Organics (C10-C24)	0.489	0.050	mg/L	0.500		97.8	80-120			
Diesel Range Organics (C10-C24)	0.489	0.050	"	0.500		97.8	80-120			
Diesel Range Organics (C10-C24)	0.489	0.050	"	0.500		97.8	80-120			
LCS Dup (B0L3006-BSD1)				Prepared: 12/30/10 Analyzed: 01/02/11						
Diesel Range Organics (C10-C24)	0.475	0.050	mg/L	0.500		95.0	80-120	12.1	30	
Diesel Range Organics (C10-C24)	0.475	0.050	"	0.500		95.0	80-120	12.1	30	
Diesel Range Organics (C10-C24)	0.475	0.050	"	0.500		95.0	80-120	12.1	30	

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	01/24/11 11:29

Notes and Definitions

D-49	Sample appears to be a mixture of fuel hydrocarbons. Total Petroleum Hydrocarbons quantified using a Jet-A standard for calibration.
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

PTS Laboratories, Inc.

Sierra Analytical Labs, Inc.
PTS File No: 41031

PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D4464M)

PROJECT NAME: N/A
PROJECT NO: 1012472

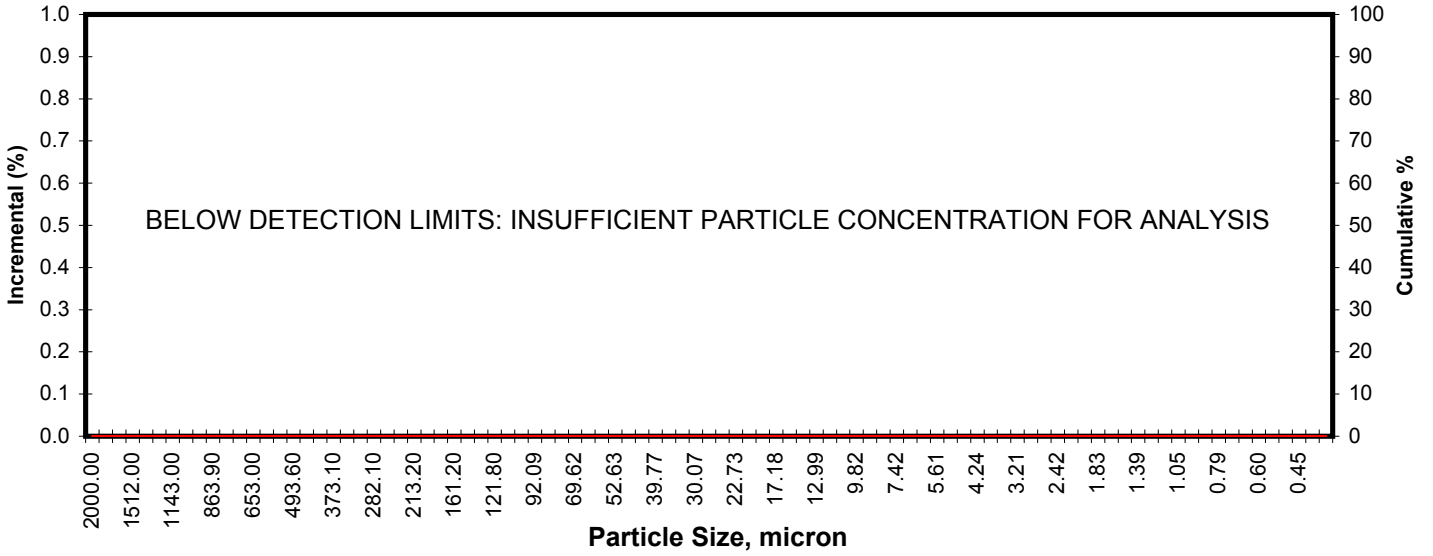
Sample ID	Matrix	Median Grain Size, micron (1)	CUMULATIVE PERCENT GREATER THAN Distribution percent, microns										
			5%	10%	16%	25%	40%	50%	60%	75%	84%	90%	95%
S-B06-12 (1012472-11)	Aqueous	N/A	BELOW DETECTION LIMITS: INSUFFICIENT CONCENTRATION FOR ANALYSIS										

(1) Based on Trask Median

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Sierra Analytical Labs, Inc.	**PTS File No:**	41031
Project:	N/A	**Sample ID:**	S-B06-12 (1012472-11)
Project No:	1012472	**Matrix:**	N/A



Particle Diameter, micron	Particle Distribution	
	Incremental percent	Cumulative percent
2000.00	0.00	0.0
1822.00	0.00	0.0
1660.00	0.00	0.0
1512.00	0.00	0.0
1377.00	0.00	0.0
1255.00	0.00	0.0
1143.00	0.00	0.0
1041.00	0.00	0.0
948.20	0.00	0.0
863.90	0.00	0.0
786.90	0.00	0.0
716.90	0.00	0.0
653.00	0.00	0.0
594.90	0.00	0.0
541.90	0.00	0.0
493.60	0.00	0.0
449.70	0.00	0.0
409.60	0.00	0.0
373.10	0.00	0.0
339.80	0.00	0.0
309.60	0.00	0.0
282.10	0.00	0.0
256.80	0.00	0.0
234.10	0.00	0.0
213.20	0.00	0.0
194.20	0.00	0.0
176.80	0.00	0.0
161.20	0.00	0.0
146.80	0.00	0.0
133.70	0.00	0.0
121.80	0.00	0.0
111.00	0.00	0.0
101.10	0.00	0.0
92.09	0.00	0.0
83.90	0.00	0.0
76.43	0.00	0.0
69.62	0.00	0.0
63.41	0.00	0.0
57.77	0.00	0.0

Particle Diameter, micron	Particle Distribution	
	Incremental percent	Cumulative percent
52.63	0.00	0.0
47.93	0.00	0.0
43.66	0.00	0.0
39.77	0.00	0.0
36.24	0.00	0.0
33.00	0.00	0.0
30.07	0.00	0.0
27.38	0.00	0.0
24.95	0.00	0.0
22.73	0.00	0.0
20.70	0.00	0.0
18.86	0.00	0.0
17.18	0.00	0.0
15.65	0.00	0.0
14.26	0.00	0.0
12.99	0.00	0.0
11.83	0.00	0.0
10.78	0.00	0.0
9.82	0.00	0.0
8.94	0.00	0.0
8.15	0.00	0.0
7.42	0.00	0.0
6.76	0.00	0.0
6.16	0.00	0.0
5.61	0.00	0.0
5.11	0.00	0.0
4.66	0.00	0.0
4.24	0.00	0.0
3.86	0.00	0.0
3.52	0.00	0.0
3.21	0.00	0.0
2.92	0.00	0.0
2.66	0.00	0.0
2.42	0.00	0.0
2.21	0.00	0.0
2.01	0.00	0.0
1.83	0.00	0.0
1.67	0.00	0.0
1.52	0.00	0.0

Particle Diameter, micron	Particle Distribution	
	Incremental percent	Cumulative percent
1.385	0.000	0.0
1.261	0.000	0.0
1.149	0.000	0.0
1.047	0.000	0.0
0.953	0.000	0.0
0.869	0.000	0.0
0.791	0.000	0.0
0.721	0.000	0.0
0.657	0.000	0.0
0.598	0.000	0.0
0.545	0.000	0.0
0.496	0.000	0.0
0.452	0.000	0.0
0.412	0.000	0.0
0.375	0.000	0.0
TOTALS:	**0.00**	**0.0**

Measure	Trask	Inman
Median, mm	N/A	N/A
Median, micron	N/A	N/A
Mean, mm	N/A	N/A
Mean, micron	N/A	N/A
Sorting	N/A	N/A
Skewness	N/A	N/A
Kurtosis	N/A	N/A

Cumulative Percent greater than		
Distribution percent	Particle Size	
	Micron	Millimeters
#REF!	N/A	N/A
#REF!	N/A	N/A
#REF!	N/A	N/A
#REF!	N/A	N/A
#REF!	N/A	N/A
#REF!	N/A	N/A
#REF!	N/A	N/A
#REF!	N/A	N/A
#REF!	N/A	N/A
#REF!	N/A	N/A
0	N/A	N/A

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Client: Sierra Analytical Labs, Inc.
26052 Merit Circle, Suite #105
Laguna Hills, CA 92653

Attention: Nick Forsyth
Sample: Liquid / 12 Samples
Project Name: Sierra Project #1012472
Method : EPA 8015B
Investigation: Glycols

REPORT

Laboratory No: 992927
Report Date: January 7, 2010
Sampling Date: December 29, 2010
Receiving Date: January 4, 2011
Analysis Date: January 6, 2010
Units: mg/L
Dilution Factor: 2
Reported By: LES

Analytical Results

Sample ID	Sample Description	Propylene Glycol	Ethylene Glycol	Surrogate (1-Butanol)	Surrogate % Recovery
709235-MB	Method Blank	ND	ND	156	78.0%
992927-1	C-B01-1A	ND	ND	152	76.1%
992927-2	C-B03-2	ND	ND	173	86.3%
992927-3	C-B05-3	ND	ND	187	93.4%
992927-4	C-B05-4	ND	ND	193	96.4%
992927-5	C-B06-5	ND	ND	187	93.5%
992927-6	C-B07-6	ND	ND	193	96.5%
992927-7	C-B07-7	ND	ND	189	94.4%
992927-8	C-B08-8	**20.7**	ND	218	109%
992927-9	C-B08-10A	ND	ND	221	111%
992927-10	C-B12-9A	ND	ND	193	96.4%
992927-11	S-B06-12	ND	ND	191	95.4%
992927-12	C-B06-5-DUP	ND	ND	174	87.0%
Practical Quantitation Limits		5.0	5.0	Surrogate Conc. = 200	APR = 50-200%
Sample RLs		**10.0**	**10.0**		

ND: Not detected, or below limit of detection.
RL: Reporting limit, or least amount of analyte quantifiable based on average sample size used and analytical technique employed.
APR: Allowable Percent Recovery

Rossina Tomova, Project Manager
Analytical Services, Truesdail Laboratories, Inc.

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REPORT

Client: Sierra Analytical Labs, Inc.
26052 Merit Circle, Suite #105
Laguna Hills, CA 92653

Attention: Nick Forsyth
Sample: Liquid / 12 Samples
Project Name: Sierra Project #1012472
Method Number: EPA 8015B
Investigation: Glycols

QA/QC Batch No: 709235
Laboratory No: 992927
Report Date: January 7, 2010
Sampling Date: December 29, 2010
Receiving Date: January 4, 2011
Analysis Date: January 6, 2010
Units: mg/L
Reported By: LES

Quality Control/Quality Assurance Calibration Check Report

MRCVS

Parameter	Spiked Concentration	Recovered Concentration	Percent Recovery	Flag	Accuracy Control Limits
Propylene Glycol	50.0	41.8	83.5%	PASS	70-130
Ethylene Glycol	50.0	40.0	80.0%	PASS	70-130

Quality Control/Quality Assurance Spikes Report

LCS/LCSD

Parameter	Spike Conc.	Recovered Concentration		Percent Recovery (%)		RPD (%)	Flag	Accuracy Control Limits	
		LCS	LCSD	LCS	LCSD			RPD	% Recovery
Propylene Glycol	50.0	45.4	50.7	90.9%	101%	10.9%	PASS	20	70-130
Ethylene Glycol	50.0	39.1	41.4	78.3%	82.8%	5.64%	PASS	20	70-130

MRCVS: Mid Range Calibration Verification Standard
LCS: Laboratory Control Spike
LCSD: Laboratory Control Spike Duplicate
RPD: Relative Percent Difference
Flag: "Pass" if within Control Limits; otherwise "Fail"

Rossina Tomova, Project Manager
Analytical Services, Truesdail Laboratories, Inc.

SIERRA ANALYTICAL

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

CHAIN OF CUSTODY RECORD

Date: 12/29/10 Page: 1 of 7

Lab Work Order No.: 1018472

Client: MACTEC
Client Address: 9177 SKY PARK COURT
SAN DIEGO, CA 92123
Client Tel. No.: (858) 278-3600
Client Fax. No.: (858) 278-5300
Client Proj. Mgr.:

Client Project ID: SAN DIEGO AIRPORT

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

Analyses Requested

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	pH, TSS, Specific Conductance, (SC) tot(Al,Cu,Fe, Pb,Zn), diss(Cu,Zn), BOD, COD, ammonia, MBAS	ethylene glycol	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)	Geotracker EDD Info: Client LOGCODE / Site Global ID / Field Point Names / Comments
C-B01-1a-12-29-10	01	12/29/10	8:30	STORMWATER	NONE	PLASTIC	2	X				
C-B01-1a-12-29-10				STORMWATER	NONE	40ml VOA	2		X			
C-B01-1a-12-29-10				STORMWATER	NONE	CLR GLASS	1			X		
C-B01-1a-12-29-10				STORMWATER	NONE	AMBER GLASS	1				X	
C-B03-2-12-29-10	02		8:59	STORMWATER	NONE	PLASTIC	2	X				
C-B03-2-12-29-10				STORMWATER	NONE	40ml VOA	2		X			
C-B03-2-12-29-10				STORMWATER	NONE	CLR GLASS	1			X		
C-B03-2-12-29-10				STORMWATER	NONE	AMBER GLASS	1				X	
C-B05-3-12-29-10	03		9:32	STORMWATER	NONE	PLASTIC	2	X				
C-B05-3-12-29-10			9:32	STORMWATER	NONE	40ml VOA	2		X			

1 Sampler Signature: [signature] Printed Name: Mariam Yirsaleign — Shipped Via: (Carrier/Waybill No.)

2 Relinquished By: [signature] Date: 12/29/10 Time: 16:30 — Received By: [signature] Date: 12-29-10 Time: 1650
Company: MACTEC — Company: Sierra

3 Relinquished By: Date: Time: — Received By: Date: Time:
Company: — Company:

4 Relinquished By: Date: Time: — Received By: Date: Time:
Company: — Company:

Special Instructions: please clean 5 dirty bottles shipped with these samples.

Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses 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.

Total Number of Containers Received by Laboratory

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

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

Rev 021104

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

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CHAIN OF CUSTODY RECORD

Date: 12/29/10 Page: 2 of 7

Lab Work Order No.: 1012472

Client: MACTEC
Client Address: 9177 SKY PARK COURT
SAN DIEGO, CA 92123
Client Tel. No.: (858) 278-3600
Client Fax. No.: (858) 278-5300
Client Proj. Mgr.:

Client Project ID: SAN DIEGO 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

Analyses Requested

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	pH, TSS, Specific Conductance, (SC) tot(Al,Cu,Fe, Pb,Zn), diss(Cu,Zn), BOD, COD, ammonia, MBAS	ethylene glycol	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)	PCB								Field Point Names / Comments
C-B05-3-12-29-10	03	12/29/10	9:32	STORMWATER	NONE	CLR GLASS	1			X										
C-B05-3-12-29-10	↓	↓	9:32	STORMWATER	NONE	AMBER GLASS	1				X									
C-B05-3-12-29-10	↓	↓	9:32	STORMWATER	NONE	AMBER GLASS	1					X								
C-B05-4-12-29-10	04	↓	8:49	STORMWATER	NONE	PLASTIC	2	X												
C-B05-4-12-29-10	↓	↓	↓	STORMWATER	NONE	40 ml VOA	2		X											
C-B05-4-12-29-10	↓	↓	↓	STORMWATER	NONE	CLR GLASS	1			X										
C-B05-4-12-29-10	↓	↓	↓	STORMWATER	NONE	AMBER GLASS	1				X									
C-B06-5-12-29-10	05	↓	7:45	STORMWATER	NONE	PLASTIC	2	X												
C-B06-5-12-29-10	↓	↓	7:45	STORMWATER	NONE	40 ml VOA	2		X											

1 Sampler Signature: [signature]
Printed Name: Mariam Yisalign
Shipped Via: (Carrier/Waybill No.)

2 Relinquished By: [signature] Date: 12/29/10 Time: 16:50
Company: MACTEC
Received By: [signature] Date: 12/29/10 Time: 1650
Company: Sierra

3 Relinquished By: Date: Company: Time: Received By: Date: Company: Time:

4 Relinquished By: Date: Company: Time: Received By: Date: Company: Time:

Special Instructions:

Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses 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.

Total Number of Containers Received by Laboratory

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

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☑ Intact ☑ Chilled - Temp (°C) 4.0
☐ Sample Seals ☐ Preservatives - Verified By
☑ Properly Labelled ☐ Other
☑ Appropriate Sample Container ☑ Storage Location R455

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CHAIN OF CUSTODY RECORD

Date: 12/29/10 Page: 3 of 7

Lab Work Order No.: 1012472

Client: MACTEC
Client Address: 9177 SKY PARK COURT
SAN DIEGO, CA 92123
Client Tel. No.: (858) 278-3600
Client Fax. No.: (858) 278-5300
Client Proj. Mgr.:

Client Project ID: SAN DIEGO AIRPORT

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

Analyses Requested

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	pH, TSS, Specific Conductance, (SC) tot(Al,Cu,Fe, Pb,Zn), diss(Cu,Zn), BOD, COD, ammonia, MBAS	ethylene glycol	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)	Geotracker EDD Info: Client LOGCODE / Site Global ID / Field Point Names / Comments
C-B06-5-12-29-10	05	12/29/10	7:45	STORMWATER	NONE	CLR GLASS	1			X		
C-B06-5-12-29-10	↓		7:45	STORMWATER	NONE	AMBER GLASS	1				X	
C-B07-6-12-29-10	06		8:45	STORMWATER	NONE	PLASTIC	2	X				
C-B07-6-12-29-10				STORMWATER	NONE	40ml VOA	2		X			
C-B07-6-12-29-10				STORMWATER	NONE	CLR GLASS	1			X		
C-B07-6-12-29-10				STORMWATER	NONE	AMBER GLASS	1				X	
C-B07-7-12-29-10	07		7:25	STORMWATER	NONE	PLASTIC	2	X				
C-B07-7-12-29-10				STORMWATER	NONE	40ml VOA	2		X			
C-B07-7-12-29-10				STORMWATER	NONE	CLR GLASS	1			X		
C-B07-7-12-29-10				STORMWATER	NONE	AMBER GLASS	1				X	

1 Sampler Signature: [signature] Shipped Via:
Printed Name: Lijun Xu (Carrier/Waybill No.)
2 Relinquished By: [signature] Date: 12/29/10 Received By: [signature] Date: 12/29/10
Company: MACTEC Time: 16:50 Company: Sierra Time: 1650
3 Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:
4 Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

Special Instructions:

Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses 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.

Total Number of Containers Received by Laboratory

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

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☑ Intact ☑ Chilled - Temp (°C) 4.0
☐ Sample Seals ☐ Preservatives - Verified By
☑ Properly Labelled ☐ Other
☑ Appropriate Sample Container ☑ Storage Location 2085

Rev: 021101

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CHAIN OF CUSTODY RECORD

Date: 12/29/10 Page: 4 of 7

Lab Work Order No.: 1010472

Client: MACTEC
Client Address: 9177 SKY PARK COURT
SAN DIEGO, CA 92123
Client Tel. No.: (858) 278-3600
Client Fax. No.: (858) 278-5300
Client Proj. Mgr.:

Client Project ID: SAN DIEGO AIRPORT

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

Analyses Requested

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	pH, TSS, Specific Conductance, (SC) tot(Al,Cu,Fe, Pb,Zn), diss(Cu,Zn), BOD, COD, ammonia, MBAS	ethylene glycol	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)	Geotracker EDD Info: / Client LOGCODE / Site Global ID / Field Point Names / Comments
C-B08-8-12-29-10	08	12/29/10	8:10	STORMWATER	NONE	PLASTIC	2	X				
C-B08-8-12-29-10	↓	↓	↓	STORMWATER	NONE	40ml VOA	2		X			
C-B08-8-12-29-10	↓	↓	↓	STORMWATER	NONE	CLR GLASS	1			X		
C-B08-8-12-29-10	↓	↓	↓	STORMWATER	NONE	AMBER GLASS	1				X	
C-B08-10a-12-29-10	09	↓	7:40	STORMWATER	NONE	PLASTIC	2	X				
C-B08-10a-12-29-10	↓	↓	↓	STORMWATER	NONE	40ml VOA	2		X			
C-B08-10a-12-29-10	↓	↓	↓	STORMWATER	NONE	CLR GLASS	1			X		
C-B08-10a-12-29-10	↓	↓	↓	STORMWATER	NONE	AMBER GLASS	1				X	
C-B12-9a-12-29-10	10	12/29/10	8:25	STORMWATER	NONE	PLASTIC	2	X				
C-B12-9a-12-29-10	↓	12/29/10	8:25	STORMWATER	NONE	40ml VOA	2		X			

1 Sampler Signature: Printed Name: Lijun Xu
Shipped Via: (Carrier/Waybill No.)

2 Relinquished By: Date: 12/29/10 Time: 16:50 Company: MACTEC
Received By: Date: 12/29/10 Time: 1650 Company: Sierra

3 Relinquished By: Date: Time: Company:
Received By: Date: Time: Company:

4 Relinquished By: Date: Time: Company:
Received By: Date: Time: Company:

Special Instructions:

Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses 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.

Total Number of Containers Received by Laboratory

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

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☑ Intact ☑ Chilled - Temp (°C) 4.0
☐ Sample Seals ☐ Preservatives - Verified By
☑ Properly Labelled ☐ Other
☑ Appropriate Sample Container ☑ Storage Location V135

Rev: 021104

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CHAIN OF CUSTODY RECORD

Date: 12/29/10 Page: 5 of 7

Lab Work Order No.: 1010472

Client: MACTEC
Client Address: 9177 SKY PARK COURT
SAN DIEGO, CA 92123
Client Tel. No.: (858) 278-3600
Client Fax. No.: (858) 278-5300
Client Proj. Mgr.:

Client Project ID: SAN DIEGO AIRPORT

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

Analyses Requested

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	ethylene glycol	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)	Particle size distribution	~~pH, TSS, SC, TGI(Al,Cu,Fe,Pb,Zn), diss(Cu,Zn), BOD, COD, O&G~~								Geotracker EDD Info: / Client LOGCODE / Site Global ID / Field Point Names / Comments
C-B12-9a-12-29-10	10	12/29/10	8:25	STORMWATER	NONE	CLR GLASS	1		X											
C-B12-9a-12-29-10	↓	12/29/10	8:25	STORMWATER	NONE	AMBER GLASS	1			X										
~~S-B06-12-~~				~~STORMWATER~~	~~NONE~~	~~5 GALL GLASS~~	~~1~~					X								
S-B06-12-12-29-10	11	12/29/10	8:00	STORMWATER	NONE	40ml VOA	2	X												
S-B06-12-12-29-10	↓	12/29/10	8:00	STORMWATER	NONE	AMBER GLASS	1				X									
				STORMWATER	NONE	5 GALL GLASS														
				STORMWATER	NONE	40ml VOA														
				STORMWATER	NONE	AMBER GLASS														
				STORMWATER	NONE	5 GALL GLASS														
				STORMWATER	NONE	40ml VOA														

1 Sampler Signature: [signature] Shipped Via:
Printed Name: Lijun Xu (Carrier/Waybill #'s)
2 Relinquished By: [signature] Date: 12/29/10 Received By: [signature] Date: 12/29/10
Company: MACTEC Time: 16:50 Company: Sierra Time: 1650
3 Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:
4 Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

Special Instructions:

Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses 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.

Total Number of Containers Received by Laboratory

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

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☑ Intact ☑ Chilled - Temp (°C) 4.0
☐ Sample Seals ☐ Preservatives - Verified By
☑ Properly Labelled ☐ Other
☑ Appropriate Sample Container ☑ Storage Location C135

Rev: 021104

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

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CHAIN OF CUSTODY RECORD

Date: 12/29/10

Lab Work Order No.: 1012472

Client: MACTEC
Client Address: 9177 SKY PARK COURT, SAN DIEGO, CA 92123
Client Tel. No.: (858) 278-3600
Client Fax. No.: (858) 278-5300
Client Proj. Mgr.:

Client Project ID: SAN DIEGO 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

Analyses Requested

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	pH, TSS, Specific Conductance, (SC), ammonia, MBAS tot(Al,Cu,Fe,Pb,Zn), diss(Cu,Zn), BOD, COD.	ethylene glycol	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)	~~PCB~~							Field Point Names / Comments
C-B-06-5-12-29-10-DUP	12	12/29/10	7:45	STORMWATER	NONE	PLASTIC	2	X											
C-B-06-5-12-29-10-DUP	↓	↓	↓	STORMWATER	NONE	40ml VOA	2		X										
C-B-06-5-12-29-10-DUP	↓	↓	↓	STORMWATER	NONE	CLR GLASS	1			X									
C-B-06-5-12-29-10-DUP	↓	↓	↓	STORMWATER	NONE	AMBER GLASS	1				X								
~~C-B05-3--DUP~~				~~STORMWATER~~	~~NONE~~	~~AMBER GLASS~~	~~1~~					~~X~~							

1. Sampler Signature: [signature] Shipped Via:
Printed Name: Mariam Yiralig (Carrier/Waybill No.)

2. Relinquished By: [signature] Date: 12/29/10 Received By: [signature] Date: 12/29/10
Company: MACTEC Time: 1650 Company: Sierra Time: 1650

3. Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

4. Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

Special Instructions:

Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses 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.

Total Number of Containers Received by Laboratory

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

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☑ Intact ☑ Chilled - Temp (°C) 4.0
☐ Sample Seals ☐ Preservatives - Verified By
☑ Properly Labelled ☐ Other
☑ Appropriate Sample Container ☑ Storage Location R35

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CHAIN OF CUSTODY RECORD

Date: 12/29/10 Page: 7 of 7

Lab Work Order No.: 1014472

Client: MACTEC
Client Address: 9177 SKY PARK COURT
SAN DIEGO, CA 92123
Client Tel. No.: (858) 278-3600
Client Fax. No.: (858) 278-5300
Client Proj. Mgr.:

Client Project ID: SAN DIEGO AIRPORT

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

Analyses Requested

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	pH, TSS, Specific Conductance, (SC) tot(Al,Cu,Fe, Pb,Zn), diss(Cu,Zn), BOD, COD, ammonia, MBAS	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)	pH, TSS, Specific Conductance, (SC) tot(Al,Cu,Fe, Pb,Zn), diss(Cu,Zn), BOD, COD, oil & grease	pH, TSS, Specific Conductance, (SC) tot(Al,Cu,Fe, Pb,Zn), BOD, COD, oil & grease	Geotracker EDD Info: / Client LOGCODE / Site Global ID / Field Point Names / Comments
C-B-05-4-12-29-10 -BL	13	12/29/10	8:49	STORMWATER	NONE	PLASTIC	2	X					
C-B-05-4-12-29-10 -BL	↓	↓	↓	STORMWATER	NONE	CLR GLASS	1		X				
C-B-05-4-12-29-10 -BL	↓	↓	↓	STORMWATER	NONE	AMBER GLASS	1			X			
~~S-B06-12- -DUP~~				STORMWATER	NONE	5 GALL GLASS	1				X		
~~S-B06-12- -BL~~				STORMWATER	NONE	5 GALL GLASS	1					X	

1 Sampler Signature: [signature] Shipped Via:
Printed Name: Maryam Yirsaligan (Carrier/Waybill No.)

2 Relinquished By: [signature] Date: 12/29/10 Received By: [signature] Date: 12/29/10
Company: MACTEC Time: 16:50 Company: Sierra Time: 1650

3 Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

4 Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

Special Instructions:

Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses 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.

Total Number of Containers Received by Laboratory

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

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☒ Intact ☒ Chilled - Temp (°C) 4.0
☐ Sample Seals ☐ Preservatives - Verified By
☒ Properly Labelled ☐ Other
☒ Appropriate Sample Container ☒ Storage Location R135

Rev: 021104

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