

## **ANNUAL REPORT**

### **DALLAS EXECUTIVE AIRPORT**

**March 14, 2010**

#### **I. INTRODUCTION**

On August 14, 2006, the Texas Commission on Environmental Quality (TCEQ) signed and published the latest version of the Texas Pollutant Discharge Elimination System (TPDES) Storm Water Multi-Sector General Permit TXR050000. This permit oversees storm water discharges from 30 types of industrial activities, including those involving air transportation. Air transportation facilities that are classified as SIC Code 45 and which have vehicle maintenance shops, equipment cleaning operations, and airport or aircraft deicing/anti-icing operations are regulated under this permitting program. Areas located within a regulated air transportation facility that are directly involved in vehicle maintenance (e.g., vehicle rehabilitation, mechanical repairs, painting, fueling, lubrication, etc.), equipment cleaning activities, and airport or aircraft deicing operations are specified as industrial activities and require permit coverage. The specific requirements for these activities are found under Sector S of the TPDES Multi Sector General Permit.

The Aviation Department and tenants filed NOIs for the TPDES MS General Permit within 90 days of the implementation date. On July 1, 2003, the Aviation Department and its tenants transferred to the current SWPPP (dated April 2003). This SWPPP replaced the “Dallas Redbird Airport Storm Water Pollution Plan, City of Dallas, Texas” dated September 1996 for the Aviation Department and their tenants. The 2003 SWPPP meets the TPDES MS General Permit. (Some tenants may also have individual SWPPPs that are more specific to their industrial activity and are more stringent than this document.)

This permit requires that qualified personnel conduct a “Comprehensive Site Compliance Evaluation” at least once yearly.

Objectives of this comprehensive evaluation are as follows:

1. Confirm the accuracy of the description of potential pollutant sources contained in the SWPPP.
2. Determine the effectiveness of the SWPPP.
3. Modify the SWPPP as necessary.
4. Assess compliance with the terms and conditions of the facility’s storm water permit.

The Dallas Executive Airport (RBD) site compliance evaluations were conducted by Dallas Department of Aviation (DOA) Environmental Specialists and Pollution Prevention Team (PPT) members.

This annual report is required by the permit. It defines the scope and summarizes the Comprehensive Site Compliance Evaluation performed during the 2009 permit year. It is to be retained as part of the SWPPP for at least three years from date of evaluation.

The current SWPPP for RBD was made effective in April, 2003. It identified airport operators that have elected to become co-permittees with the DOA to obtain General Permit coverage for storm water discharges associated with industrial activities from their area of operation. It also included an inventory of exposed materials, descriptions of potential pollution sources as well as pollution prevention measures and controls. All airport operators that became co-permittees by the SWPPP effective date, and whose employees or subtenants perform industrial activities were included in this Comprehensive Site Compliance Evaluation. Results of this Evaluation are presented as Attachment 1. For the purpose of implementing the SWPPP, the permit year is from January 1 to December 31.

### **TCEQ Airport Inspection**

No TCEQ inspections were performed at Dallas Executive Airport during the 2006 permit year.

### **Dallas Storm Water Industrial Inspection**

Dallas Storm Water conducted an industrial storm water inspection at Dallas Executive Airport that encompassed the Aviation Department and all permitted tenants.

## **II. SCOPE OF THE COMPREHENSIVE SITE COMPLIANCE EVALUATION**

The Comprehensive Site Compliance Evaluation was conducted in each operator's lease or contracted work area(s) as well as applicable DOA work areas and associated storm water structural control facilities. The evaluation process consisted of several parts, including:

1. Verification of owner/operator information
2. Confirmation of the accuracy of potential pollutant sources as reported in the SWPPP
3. Review of operator's recordkeeping practices, and
4. Assessment of compliance with terms and conditions of the permit as reflected by operator compliance with the measures and controls contained in the SWPPP.

Initially, operator/leaseholder information was obtained and recorded. This included the name and telephone number of the operator or operator's representative present during the evaluation, leaseholder or subtenant status, and, if a subtenant, the name of the leaseholder's representative present during the evaluation.

The second component of the evaluation confirmed information regarding potential pollutant sources as currently recorded in the SWPPP. The airport operator's industrial activity summary contained in Appendix I of the SWPPP was reviewed and the operator/leasehold site map was revised, if necessary, to reflect any changes in the occurrence of industrial activities.

The third component related to the operator's recordkeeping practices. Important records, such as the operator's TCEQ permit number, certifications, completed self-inspection forms, training records, etc, were to be kept in the SWPPP or referenced elsewhere. A discussion was held with the operator/leaseholder emphasizing the importance of retaining these records in an accessible manner.

The fourth component of the evaluation assessed compliance with permit conditions and is related to the inspection process described in Section VI of the RBD SWPPP. As described in the SWPPP, a two-part inspection process has been implemented in response to the general permit requirements. The first part is an annual self-inspection conducted by the operator. Inspection checklists that pertain to specific industrial activities are to be completed by the operator during the self-inspection process. The Comprehensive Site Compliance Evaluation is the second part of the process, and it follows the completion of the operator's self-inspection.

The inspection checklists are as follows:

- Aircraft, Ground Vehicle, and Equipment Maintenance Areas
- Aircraft, Ground Vehicle, and Equipment Cleaning Areas
- Chemical/Material Storage Areas
- Fueling Activities
- Training Program
- Tenant/Operator Storm Water and Pollution Controls
- DOA Storm Water Structures, Pollution Controls and Sediment Controls
- Wet Weather Visual Inspections
- Dry Weather Evaluations

During the fourth component of the Site Compliance Evaluation, the evaluation team reviewed copies of completed checklists, and a walk-through inspection of the operator's industrial area(s) was

performed where adherence to the Best Management Practices (BMPs) was noted. If necessary, a follow-up inspection was scheduled to review actions taken by the operator to resolve SWPPP compliance issues. The evaluation inspections were also conducted for industrial activities performed in DOA work areas and for airport storm water structural controls.

### **III. RESULTS OF THE COMPREHENSIVE SITE COMPLIANCE EVALUATION**

The evaluation process was conducted from October 1, 2010 to December 31, 2010. It included all operators that were permittees on January 2010, and whose employees or subtenants were performing industrial activities at RBD. Attachment 1 of this report contains a summary of the compliance efforts of airport operators to implement measures and controls contained in the SWPPP. The information presented in this report is based on information obtained from the RBD Comprehensive Site Compliance Evaluation process. The compliance report in Attachment 1 lists the operator under evaluation, the date(s) of the evaluation, PPT personnel conducting the evaluation, major observations relating to implementation of the SWPPP and identification of any incidents of noncompliance. It is to be kept for a minimum of three years from the date of evaluation. The major observations that were noted during the evaluation process are described below.

#### **Aircraft, Vehicle, and Equipment Maintenance Areas**

There were no cases of non-compliance noted for this item during the facility inspections at Dallas Executive Airport. In all instances maintenance activities were located under cover, drip pans were used when needed, spill kits were placed in appropriate locations, daily visual inspections were performed, proper disposal procedures noted for spent rags and wipes, temporary berms around drains were used properly.

#### **Chemical/Material Storage Areas**

There were three cases of non-compliance noted for this item during the facility inspections at Dallas Executive Airport. Inappropriate storage practices were found, and drums were not stored indoors or under cover or were found without secondary containment and lids were missing. Tenants reevaluated subtenant operations and upon re-inspection the facilities had compliant storage areas. Dumpsters were kept closed during business, or closed at the end of the business day. Each tenant performs daily visual inspections of their leasehold area.

#### **Spill Control Equipment**

There were no instances of non-compliance noted for this item during the site assessments of Dallas Executive Airport. In all instances spill control equipment is accessible and located appropriately. Disposal of used containment and clean-up materials is handled properly. Spill response and reporting plans are sufficient.

#### **Aircraft, Vehicle and Equipment Wash Area**

No cases of non-compliance for this item were documented during the site investigations at Dallas Executive Airport. Tenants with oil/water separators maintain and inspect the separators appropriately. Washing practices are following the prescribed BMPs.

#### **Fueling Activity**

Fueling activity occurs in designated areas by qualified personnel, tenants perform daily visual inspection of equipment, and fueling does not occur within 50 feet of a storm drain. Spill response procedures appear to be adequate. There is one self-fueling station for small aircraft and it is properly maintained and controlled.

## **Training Program**

There was one case of non-compliance noted for this item during the facility inspections at Dallas Executive Airport. One tenant failed to produce the proper training records despite being given ample time and resources to train employees. Reiteration of training requirements was given in writing to tenant.

## **Recordkeeping and Documentation**

There was one instance of non-compliance noted for this item during the site assessments of Dallas Executive Airport. The annual checklist #6 failed to be completed by one tenant. The remaining required inspections and documentations were readily available for review from all tenants. Tenants submitted 4<sup>th</sup> quarter information upon completion.

## **Inspection of DOA Storm Water Structural Controls at RBD**

There are several features constructed as part of the airport drainage system that enhance the quality of storm water. The Comprehensive Site Compliance Evaluation included inspection of these structural controls. The existing control measures at RBD consist of Outfall Closure Devices, Stormceptors, grass-lined ditches and swales that serve to decrease the velocity of storm water runoff. The four new Outfall Closure Gate Devices and two Stormceptors that have been installed act as structural controls for Dallas Executive Airport.

The storm water structural controls were inspected at RBD and not all are being maintained to function properly in the event of a spill emergency. Outfall Closure Devices throughout the airport have not been maintained by Field Maintenance. Specifically, the Outfall Closures have not been lubricated, leading to a likely malfunction in the event of an emergency. These problems have been considered and a maintenance contractor is being selected to maintain these outfall closure devices and the Stormceptors. In addition, erosion and sediment build up are becoming major issues.

## **IV. SIGNIFICANT REVISIONS TO THE SWPPP**

As a result of the implementation of the SWPPP in July, 2003 and the Comprehensive Site Compliance Evaluation performed for the 2010 permit year, minor revisions were made to the SWPPP to strengthen its pollution prevention objectives and to make it more user-friendly to the airport operators.

The SWPPP is still available on line [http://dallascityhall.com/aviation/dallas\\_executive\\_swppp.html](http://dallascityhall.com/aviation/dallas_executive_swppp.html) and because of this, tenants with internet access are no longer required to maintain a hard copy of this document. Tenants are still responsible for reviewing this document as it is updated, completing and retaining their appropriate checklists, retaining other required documentation associated with the SWPPP, and making it available for review upon request.

### **Site-Specific Best Management Practices**

Site-specific BMPs have been developed by some of the airport operators to specifically describe pollution prevention procedures to be used only in the operator's lease area. Prior to implementation, each airport operator must submit a description of the BMP to the DOA for written approval. Once approval is received, the operator may implement the site-specific BMP in the operator's lease area. The operator can lose the privilege of implementing site-specific BMPs if the operator does not adhere to the approved procedures.

### **Recordkeeping and Documentation**

The requirement for tenants to complete quarterly visual wet weather monitoring at designated Storm Water Monitoring Locations (SWMLs) continues to successfully be implemented.

## **V. MAJOR OBSERVATIONS RELATING TO SWPPP IMPLEMENTATION**

Overall, implementation of the SWPPP at RBD by industrial operators appears to be successful. The same can be said for the operator self-inspection process and Comprehensive Site Compliance Evaluation, except as noted.

The total number of discrepancies decreased from last year. There was no indication that any soil or water contamination occurred as a result of the discrepancies, and the annual sampling report reflected this.

All tenants found to be in compliance during their comprehensive site compliance evaluation have already or will submit a certification of compliance for their facility to the Department of Aviation. All tenants found to be in non-compliance during their comprehensive site compliance evaluation have 30 days to correct any issues and submit a certification of compliance to the Department of Aviation.

## **CERTIFICATION**

Permit/Registration No. TXR 05V413

I, Steven Peacock, Ph.D. Environmental Manager  
*Typed or printed name* *Title*

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 assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I further certify that I am authorized under 30 Texas Administrative Code §305.44 to sign this document and can provide documentation in proof of such authorization upon request.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

### 2010 Wet Weather Monitoring

Wet weather monitoring was conducted on January 28, 2009 at Infall 1 and Outfalls 1, 2, 4, and 6. Sampling was conducted within the first hour of rainfall commencement. Annual metals testing were performed on these outfalls and visual monitoring was also conducted at this time. The results of the laboratory analysis for metals indicate no evidence of pollutants in these samples. Visual observations of the outfalls indicate no heavy sedimentation in the waters. For further information on the laboratory results see table below or consult the Xenco Laboratories documentation dated 08 FEB 10,

#### Dallas Executive Airport Annual Storm Water Results – 2010

Pollutant	Recordable Level	Daily Maximum Concentration (mg/L)	IF-1	OF-1	OF-2	OF-4	OF-6	Pollutant Exceeded
Arsenic	0.010	0.3	BRL	BRL	BRL	BRL	BRL	No
Barium	0.010	4.0	0.033	0.047	BRL	0.021	0.060	No
Cadmium	0.005	0.2	BRL	BRL	BRL	BRL	BRL	No
Chromium	0.005	5.0	BRL	BRL	BRL	0.006	BRL	No
Copper	0.010	2.0	BRL	BRL	BRL	0.014	BRL	No
Lead	0.012	1.5	0.014	BRL	BRL	BRL	0.012	No
Manganese	0.010	3.0	0.059	0.063	0.011	0.048	0.113	No
Mercury	0.0001	0.01	BRL	BRL	BRL	BRL	BRL	No
Nickel	0.010	3.0	BRL	BRL	BRL	BRL	BRL	No
Selenium	0.010	0.2	BRL	BRL	BRL	BRL	BRL	No
Silver	0.004	0.2	BRL	BRL	BRL	BRL	BRL	No
Zinc	0.010	6.0	0.147	0.025	0.051	0.042	0.081	No

BRL = Below Recordable Level

# **Analytical Report 360337**

**for**

**City of Dallas-Aviation**

**Project Manager: Sam Peacock**

**Dallas Executive Airport**

**RBD**

**08-FEB-10**



**9701 Harry Hines Blvd, Dallas, TX 75220**

**Ph:(214) 902-0300 Fax:(214) 351-9139**

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-08-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)

Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)

New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)

Rhode Island (LAO00308), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AAL11), West Virginia (362), Kentucky (85)

Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-08-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-08-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370-08-TX)

Xenco-Boca Raton (EPA Lab Code: FL00449): Florida(E86240),

South Carolina(96031001), Louisiana(04154), Georgia(917)

08-FEB-10

**Project Manager: Sam Peacock**  
**City of Dallas-Aviation**  
8008 Cedar Springs Rd. LB16  
Dallas, TX 75235

Reference: XENCO Report No: 360337  
**Dallas Executive Airport**  
Project Address: --

**Sam Peacock:**

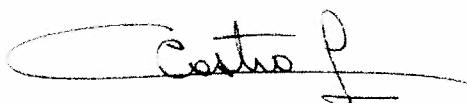
We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 360337. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 360337 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

**Carlos Castro**

Managing Director, Texas

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## CASE NARRATIVE

**Client Name:** City of Dallas-Aviation  
**Project Name:** Dallas Executive Airport

**Project ID:** RBD  
**Work Order Number:** 360337

**Report Date:** 08-FEB-10  
**Date Received:** 01/29/2010

**Sample receipt non conformances and Comments:**  
None

**Sample receipt Non Conformances and Comments per Sample:**

None

**Analytical Non Conformances and Comments:**

*Batch: LBA-791903 Metals per ICP by EPA 200.7*

None

*Batch: LBA-792091 Mercury by EPA 245.1*

None

# Certificate of Analysis Summary 360337

City of Dallas-Aviation Dallas, TX

Project Name: Dallas Executive Airport

Project Id: RBD

Contact: Sam Peacock

Project Location: --

Date Received in Lab: Fri Jan-29-10 09:30 am

Report Date: 08-FEB-10

## Analysis Requested

	Lab Id: Field Id: Depth:	Matrix: Sampled: Extracted: Analyzed: Units/RL:	WATER Jan-28-10 13:59 Feb-03-10 07:15 Feb-03-10 10:16 ug/L	WATER OF-4 OF-2 ug/L	WATER OF-6 ug/L	WATER OF-1 ug/L	WATER OF-1 ug/L	WATER OF-1 ug/L
<b>Mercury by EPA 245.1</b>								
Mercury, Total		Extracted: Analyzed: Units/RL:	Feb-01-10 07:15 Feb-02-10 12:38 BRL	Feb-01-10 07:15 Feb-02-10 12:39 BRL	Feb-01-10 07:15 Feb-02-10 12:40 BRL	Feb-01-10 07:15 Feb-02-10 12:41 BRL	Feb-01-10 07:15 Feb-02-10 12:41 BRL	Feb-01-10 07:15 Feb-02-10 12:41 BRL
<b>Metals per ICP by EPA 200.7</b>								
Arsenic		mg/L	0.010	0.010	0.010	0.010	0.010	0.010
Barium		mg/L	0.021	0.010	0.010	0.060	0.010	0.033
Cadmium		mg/L	0.005	0.005	0.005	0.005	0.005	0.005
Chromium		mg/L	0.006	0.005	0.005	0.005	0.005	0.005
Copper		mg/L	0.010	0.010	0.014	0.010	0.010	0.005
Lead		mg/L	BRL	BRL	BRL	BRL	BRL	BRL
Manganese		mg/L	0.048	0.010	0.012	0.012	0.014	0.012
Nickel		mg/L	0.042	0.011	0.011	0.013	0.010	0.059
Selenium		mg/L	0.010	0.010	0.010	0.010	0.010	0.010
Silver		mg/L	0.010	0.010	0.010	0.010	0.010	0.010
Zinc		mg/L	0.004	0.004	0.004	0.004	0.004	0.004

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.  
 The interpretation and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.  
 XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.  
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Page 4 of 9

  
 Carlos Casero  
 Managing Director, Texas

In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the MQL and above the SQL.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

**BRL** Below Reporting Limit.

**RL** Reporting Limit

\* Outside XENCO's scope of NELAC Accreditation.

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9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
842 Cantwell Lane, Corpus Christi, TX 78408	(361) 884-0371	(361) 884-9116

## BS / BSD Recoveries

Work Order #: 360337

Analyst: DAT

Lab Batch ID: 792091

Sample: 549183-1-BKS

Date Prepared: 02/03/2010

Project ID: RBD  
Date Analyzed: 02/03/2010

Matrix: Water

Units: ug/L

### Mercury by EPA 245.1

Analytes	Blank [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Mercury, Total	<0.1000	5.000	5.036	101	5	5.033	101	0	70-130	20	

Analyst: DAT

Sample: 548935-1-BKS

Date Prepared: 02/01/2010

Date Analyzed: 02/02/2010  
Matrix: Water

Units: mg/L

### Metals per ICP by EPA 200.7

Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic	<0.010	1.00	0.968	97	1	1.02	102	5	75-125	20	
Barium	<0.010	1.00	0.932	93	1	0.976	98	5	75-125	20	
Cadmium	<0.005	1.00	0.916	92	1	0.972	97	6	75-125	20	
Chromium	<0.005	1.00	1.01	101	1	1.04	104	3	75-125	20	
Copper	<0.010	1.00	1.01	101	1	0.941	94	7	75-125	20	
Lead	<0.012	1.00	0.892	89	1	0.954	95	7	75-125	20	
Manganese	<0.010	1.00	0.908	91	1	0.935	94	3	75-125	20	
Nickel	<0.010	1.00	0.938	94	1	0.980	98	4	75-125	20	
Selenium	<0.010	1.00	0.948	95	1	1.00	100	5	75-125	20	
Silver	<0.004	1.00	0.960	96	1	0.935	94	3	75-125	20	
Zinc	<0.010	1.00	0.979	98	1	0.994	99	2	75-125	20	

### BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Relative Percent Difference RPD =  $200 * |(C-F)/(C+F)|$   
 Blank Spike Recovery [D] =  $100 * (C)/[B]$   
 Blank Spike Duplicate Recovery [G] =  $100 * (F)/[E]$   
 All results are based on MDL and Validated for QC Purposes

# Form 3 - MS / MSD Recoveries

**Project Name:** Dallas Executive Airport

**Work Order #:** 360337

**Lab Batch ID:** 792091

**Date Analyzed:** 02/03/2010

**Reporting Units:** ug/L

**Project ID:** RBD

**QC- Sample ID:** 360336-001 S

**Batch #:** 1   **Matrix:** Water

**Date Prepared:** 02/03/2010

**Analyst:** DAT

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY									
Mercury by EPA 245.1		Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Duplicate Spike Added [E]	Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %
Analytes		Reported Units: mg/L							
Mercury, Total		<0.1000	5.000	4.630	93	5.000	4.776	96	3
Lab Batch ID:	791903	QC- Sample ID:	359934-001 S	Batch #:	1	Matrix:	Water		
Date Analyzed:	02/02/2010	Date Prepared:	02/01/2010	Analyst:	DAT				
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY									
Metals per ICP by EPA 200.7		Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Duplicate Spike Added [E]	Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %
Analytes									
Arsenic		<0.010	1.00	1.01	101	1.00	1.01	101	0
Barium		0.017	1.00	1.03	101	1.00	1.06	104	3
Cadmium		<0.005	1.00	0.971	97	1.00	0.995	100	2
Chromium		<0.005	1.00	1.08	108	1.00	1.06	106	2
Copper		<0.010	1.00	1.05	105	1.00	1.05	105	0
Lead		<0.012	1.00	0.975	98	1.00	0.979	98	0
Manganese		0.015	1.00	0.986	97	1.00	1.02	101	3
Nickel		<0.010	1.00	0.985	99	1.00	1.02	102	3
Selenium		<0.010	1.00	0.993	99	1.00	0.977	98	2
Silver		<0.004	1.00	0.983	98	1.00	1.02	102	4
Zinc		0.081	1.00	1.10	102	1.00	1.10	102	0

Matrix Spike Percent Recovery [D] =  $100 * (C-A)/B$

Relative Percent Difference RPD =  $200 * |(C-F)/(C+F)|$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = Specified Alternative, EQL = Estimated Quantitation Limit

Matrix Spike Duplicate Percent Recovery [G] =  $100 * (F-A)/E$



- 11381 Meadowlawn, Suite L, Houston, TX 77082 281-589-0892  
 5309 Wurzbach, Suite 104, San Antonio, TX 78238 210-509-3334  
 9700 Harry Hines Blvd., Dallas, TX 75220 972-802-0800

### ANALYST REQUEST & CHAIN OF CUSTODY RECORD

5757 N.W. 158th Street, Miami Lakes, FL 33014 305-823-8500  
 3016 US Highway 301 N., Suite 900, Tampa, FL 33619 813-620-2600

LAB ONLY:

3000574

Company-City City of Dallas - Aviation Phone 214-670-6654 Site # Skies  
 Project Name Sam Peacock Steven.peacock@dallascountyhall.com  
Previously performed at XENCO

Serial #: 198076 Page of

Proj. Manager (PM)	Phone	TAT: 5h 12h 24h 48h 3d 5d 7d 10d 21d	Standard TAT is project specific. It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data.	
Fax Results to	214-670-6654			
e-mail to:	Dallas Executive Airport			
Quote No.:				
Reg Program:	CLP AFCEE TRRP DW UST State Other: <u>TPES MSCIP</u>			
Target DLs ( DW CRDL TRRP QAPP MDLs See Lab PM Attached Call )				
TRRP PCLE:	Tier 1 Tier 2 Residential Industrial			
LPST No.: ( Required )				
Sampler Name <u>Jessica Mock</u>	Signature <u>2. mock</u>			
Sample ID	Sampling Date	Time	E or in. Dep't	Preservatives
OF - 4	1-28-10	1:59		
OF - 2	1-28-10	2:14	X	
OF - 9	1-28-10	2:09	X	
IN - 1	1-28-10	2:19	X	
OF - 1	1-28-10	2:29	X	
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time	Flush Charges are Pre-Approved upon requesting them.
1 <u>John D. Muncy</u>	1-29-10 9:30am	<u>John D. Muncy</u>	1-29-10 9:30am	
2				
3				

**Preservatives:** Various (V), HCl pH<2 (H), H<sub>2</sub>SO<sub>4</sub> pH<2 (S), HNO<sub>3</sub> pH<2 (S), Asbc Acid & NaOH (A), ZnAc & NaOH (Z), (Cool, <4°C) (C), None (NA), See Label (L), Other (O)  
**Cont. Size:** 4oz (4), 8oz (8), 32oz (32), 40ml VOA (V), 1L (1), 500ml (5), Teflar Bag (B), Wipe (W), Other \_\_\_\_\_  
**Cont. Type:** Glass Amb (A), Plastic Amb (P), Other (O)  
**Matrix:** Air (A), Product (P), Solid(S), Water (W)

**Instructions:** All XENCO Standard Terms and Conditions Apply.  
**Containers Received:** 0 - TC  
**Cooler Temperature:** 0 - TC



## Prelogin / Nonconformance Report - Sample Log-In

Client: COD- AVIATION  
Date/Time: 11/29/16  
Lab ID #: 3VOC337  
Initials: AM

### Sample Receipt Checklist

1. Samples on ice?	Blue	Water	No	
2. Shipping container in good condition?	Yes	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	Yes	No	N/A	
4. Chain of Custody present?	Yes	No		
5. Sample instructions complete on chain of custody?	Yes	No		
6. Any missing / extra samples?	Yes	No		
7. Chain of custody signed when relinquished / received?	Yes	No		
8. Chain of custody agrees with sample label(s)?	Yes	No		
9. Container labels legible and intact?	Yes	No		
10. Sample matrix / properties agree with chain of custody?	Yes	No		
11. Samples in proper container / bottle?	Yes	No		
12. Samples properly preserved?	Yes	No	N/A	
13. Sample container intact?	Yes	No		
14. Sufficient sample amount for indicated test(s)?	Yes	No		
15. All samples received within sufficient hold time?	Yes	No		
16. Subcontract of sample(s)?	Yes	No	N/A	
17. VOC sample have zero head space?	Yes	No	N/A	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs 0, 7 °C	lbs	°C	lbs	°C

### Nonconformance Documentation

Contact: \_\_\_\_\_ Contacted by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Regarding: \_\_\_\_\_

Corrective Action Taken: \_\_\_\_\_

- Check all that apply:
- Client understands and would like to proceed with analysis
  - Cooling process had begun shortly after sampling event

# HAZARDOUS METALS - INLAND WATERS

STW / TXR05 V413 / CO

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)  
**NAME** **City of Dallas**

**ADDRESS** **8008 Cedar Springs Rd. LB 16**  
**Dallas, TX 75235**

**FACILITY LOCATION** **Dallas Executive Airport**  
**5303 Challenger Dr.**  
**Dallas, TX 75237**

(2-16)	<b>TXR05V413</b>	(17-19)
PERMIT NUMBER		DISCHARGE NUMBER N/A
MONITORING PERIOD		
YEAR	MO	DAY
2010	01	01
(20-21)	(22-23)	(24-25)

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)		(4 Card Only) QUALITY OR CONCENTRATION (46-53)		NO. EX (52-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)			
		AVERAGE	MAXIMUM	MINIMUM	AVERAGE				MAXIMUM		
Arsenic	SAMPLE MEASUREMENT	*****	*****	*****	*****	BRL	0	1/Year	Grab		
	SAMPLE REQUIREMENT	*****	*****	*****	*****	0.3 Daily Max		1/Year	Grab		
Barium	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	0.060	mg/l	1/Year	Grab	
	SAMPLE REQUIREMENT	*****	*****	*****	*****	4.0 Daily Max		1/Year	Grab		
Cadmium	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	BRL	0	1/Year	Grab	
	SAMPLE REQUIREMENT	*****	*****	*****	*****	*****	0.2 Daily Max	mg/l	1/Year	Grab	
Chromium	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	0.006	mg/l	1/Year	Grab	
	SAMPLE REQUIREMENT	*****	*****	*****	*****	*****	5.0 Daily Max		1/Year	Grab	
Copper	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	0.014	mg/l	0	1/Year	Grab
	SAMPLE REQUIREMENT	*****	*****	*****	*****	*****	2.0 Daily Max		1/Year	Grab	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER						TELEPHONE	DATE				
<b>Steven S. Peacock, PhD.</b> <b>Environmental Manager</b>						214-670-6654	2010 02 08				
TYPED OR PRINTED						AREA NUMBER	YEAR	MO	DAY		

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

**NOTE: Enter your authorization number in the underlined space in the upper right hand corner of this page. Example: STW/ TXR05J102/ CO**

Only If required, mail to: TCEQ (MC 213)  
 P.O. Box 13087  
 Austin, TX 78711-3087

*Steven S. Peacock*  
 SIGNATURE OF PRINCIPAL  
 EXECUTIVE  
 OFFICER OR AUTHORIZED  
 AGENT

1/1/2010

02 08

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

**BRL = Below Recordable Limits**

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED)

EPA Form 3320-1 (3-98)

Form Approved OMB No. 2040-004

PAGE 1 OF 3

## HAZARDOUS METALS - INLAND WATERS

STW / TXR05 V413

/ CO

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME **City of Dallas**ADDRESS **8008 Cedar Springs Rd. LB 16  
Dallas, TX 75235**

FACILITY LOCATION

**Dallas Executive Airport  
5303 Challenger Dr.  
Dallas, TX 75237**(2-16)  
**TXR05V413**

PERMIT NUMBER

(17-19)  
N/A

DISCHARGE NUMBER

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)  
P.O. Box 13087  
Austin, TX 78711-3087

Only If required, mail to:

TCEQ (MC 213)

Austin, TX 78711-3087

## MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
2010	01	01	2010	12	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

PARAMETER	QUANTITY OR LOADING	(3 Card Only) (46-53)	(54-61)	(4 Card Only) (48-53)	(54-61)
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE

Lead	SAMPLE MEASUREMENT	*****	*****	*****	*****
	SAMPLE REQUIREMENT	*****	*****	*****	*****

Manganese	SAMPLE MEASUREMENT	*****	*****	*****	*****
	SAMPLE REQUIREMENT	*****	*****	*****	*****

Mercury	SAMPLE MEASUREMENT	*****	*****	*****	*****
	SAMPLE REQUIREMENT	*****	*****	*****	*****

Nickel	SAMPLE MEASUREMENT	*****	*****	*****	*****
	SAMPLE REQUIREMENT	*****	*****	*****	*****

Selenium	SAMPLE MEASUREMENT	*****	*****	*****	*****
	SAMPLE REQUIREMENT	*****	*****	*****	*****

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	CENTRAL UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.
--	--

Steven S. Peacock	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
-------------------	--

TYPED OR PRINTED	TELEPHONE	DATE
Steven S. Peacock	214-670-6654	2010 02 08

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)	AREA NUMBER	YEAR	MO	DAY
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BRL = Below Recordable Limits	AREA CODE	NUMBER	YEAR	MO	DAY
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COMMENT	AREA NUMBER	YEAR	MO	DAY
(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED)				

**HARDOUS METALS - INLAND WATERS**

PERMITTEE NAME/ADDRESS (Include Facility Name &amp; Location if Different)

NAME **City of Dallas**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

ADDRESS **8008 Cedar Springs Rd. LB 16**  
**Dallas, TX 75235**NOTE: Enter your **authorization number** in the  
underlined space in the upper right hand corner  
of this page. Example: STW/ TXR054102/ CO**TXR05V413** (2-16)

PERMIT NUMBER

DISCHARGE NUMBER (17-18) **N/A**TCEQ (MC 213)  
P.O. Box 13087  
Austin, TX 78711-3087

Only If required, mail to:

&lt;