

ANNUAL REPORT
DALLAS EXECUTIVE AIRPORT

June 24, 2004

I. INTRODUCTION

On August 20, 2001, the Texas Commission on Environmental Quality (TCEQ) signed and published the final version of the Texas Pollutant Discharge Elimination System (TPDES) Storm Water Multi-Sector General Permit TXR050000 (TPDES MS General Permit). 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.

Due to issues relating to required signatures on the NOI forms, the Department of Aviation (DOA) has requested and been granted an extension from the TCEQ for the TPDES MS General Permit. At the July 22, 2002 TCEQ meeting in Austin, Texas, the TCEQ indicated they would re-visit the NOI signature requirements. As of this date, the issue has not been resolved.

The DOA and tenants will file an NOI for the TPDES MS General Permit within 30 days of the final permit decision, as required by the extension. Until that time, the DOA and tenants are covered under the NPDES Multi-Sector General Permit. New tenants that were unable to submit an NOI under the NPDES permit due to timing issues are included in this SWPPP and are complying with NPDES permit requirements. On July 1, 2003, DOA 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 DOA 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 RBD site compliance evaluations were conducted by DOA 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 from January 14, 2004 to February 23, 2004. It is to be retained as part of the SWPPP for at least three years from date of evaluation.

The current SWPPP for RBD became effective on July 1, 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, including site compliance evaluation checklists, 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 (If Applicable)

No TCEQ inspections were performed during the 2003 permit year.

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.

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
- 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 January 14, 2003 to February 23, 2004. It included all operators that became co-permittees by July 1, 2003, and whose employees or subtenants were performing industrial activities at RBD. Site Compliance Evaluations and follow-up letters for each tenant, and a summary of the compliance efforts of airport operators to rectify any records deficiencies and/or issues of noncompliance will be filed at DOA with this report. The information presented in this report is based on information obtained from the RBD Comprehensive Site Compliance Evaluation process. The Site Compliance Evaluations 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. These are 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

No instances of non-compliance for this item were documented during field inspections of RBD. Where possible, maintenance activities were not located near storm drain. Tenants used drip pans when necessary, had proper placement of spill kits, had accessibility of MSDS sheets, performed daily visual inspections, had a disposal procedure for spent rags and wipes, and properly used temporary berms around drains.

Chemical/Material Storage Areas

No instances of non-compliance were documented for this item during field inspections of RBD. No inappropriate outdoor storage practices were noted, and metal drums were stored either indoors or under awnings and on secondary containment. Most outside dumpsters were kept closed with latches, and all dumpsters were closed at the end of each business day. Each tenant performs daily visual inspections of their property.

Spill Control Equipment

No instances of non-compliance were documented for this item during field inspections of RBD. Spill control equipment is accessible, and disposal of used spill containment/clean-up materials are consistent with the SWPPP. Spill response and reporting plans are adequate.

Aircraft, Vehicle and Equipment Wash Area

One instance of non-compliance was documented for this item during field inspections of RBD. The oil water separator at Redbird Airmotive is not inspected or cleaned regularly but is currently operational. In addition, it was recommended to all tenants with oil water separators that, at a minimum, inspections and cleaning be done on an annual basis. In all other cases washing practices are known and appear to be followed.

Fueling Activity

One instance of non-compliance was documented for this item during field inspections of RBD tenants. The Dallas Police Helicopter Unit fuel pits have accumulated sediment and fuel from

leaking fuel nozzles. The tenant was notified, and has taken action, to remove and properly dispose of the sediment and fuel and to place drip pans and/or hydrophobic absorbent pads in the fuel pits to collect future accumulated fuel. In all other cases fueling practices appear to be followed.

Training Program

Cutter Aviation and Jet Center of Dallas are missing formal training documentation. Other tenants have proper documentation of training sessions and training content. BMP's are being followed which shows the training has been effective. The majority of non-compliance issues are in the area of recordkeeping and documentation. This will be addressed at the next City training session in June 2004.

Recordkeeping and Documentation

Several tenants were deficient in recordkeeping and documentation. The following tenants were missing at least one quarterly checklist: North Texas Aviation (3rd and 4th quarter), Cutter Aviation (3rd quarter), Ambassador Aviation (3rd and 4th quarter), Jet Center of Dallas (3rd quarter), Dallas Police Helicopter (4th quarter), and Redbird Airmotive (3rd and 4th quarter). In addition, the following tenants were missing their non-stormwater discharge certification: North Texas Aviation, Cutter Aviation, Ambassador Aviation, Jet Center of Dallas, Dallas Police Helicopter, and Redbird Airmotive. Telephone calls were made to each of the preceding tenants following the site compliance visits to ensure that their non-stormwater discharge certifications are current. Proper recordkeeping and documentation will be the focus of the June 2004 training sessions in an attempt to decrease the number of future paperwork violations.

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 primarily of grass-lined ditches and swales that serve to decrease the velocity of storm water runoff.

Inspection of various control measures at RBD indicate that the structural controls are performing as designed. Visual examination and grab samples collected for laboratory testing each indicate good water quality. Checklists from the comprehensive site compliance evaluation process are also located in Attachment 1.

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 2003 permit year, revisions were made to the SWPPP to strengthen its pollution prevention objectives and to make it more user friendly to the airport operators. Below are descriptions of the most significant revisions that were made to the RBD SWPPP. The revised sections are included in Attachment 1.

- Text changes were made in the following sections as outlined in the Record of Amendments, the Preface, Sections II, IV, and V.
- PPT Members were updated.
- Tables P.1, 2.1, 4.3, and 4.4 were updated to reflect the change in tenants.
- Individual site maps and chemical inventory lists were checked and updated where necessary.

A meeting was held with the PPT on March 19, 2003. At this meeting, the findings of the Annual Site Compliance Evaluation were discussed. It was the decision of the PPT that the BMPs have been effective and reasonable. Therefore, no changes to the BMPs are needed at this time. More training is needed on the paperwork requirements. This will be addressed at the June 2004 training session.

Record of Amendments

A sheet listing all revisions to the SWPPP was developed to assist co-permittees in revising their copies of the SWPPP. A new record of amendments will accompany each set of revisions when approved by the PPT members. The record is to be placed in front of the Plan's table of contents.

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.

No additions or changes to the BMPs of the comprehensive SWPPP are needed at this time.

Recordkeeping and Documentation

There are no recordkeeping and documentation changes at this time.

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. There were no additional compliance issues, inspection confusion, or other items not already addressed in this report.

All but two tenants had only minor paper work violations or were in compliance. The two tenants with other than paper violations have taken the appropriate corrective actions: Redbird Airmotive had its oil water separator serviced on April 1, 2004 and the Dallas Police Helicopter Unit had its fuel pits cleaned on April 6, 2004. There was no evidence of soil/water contamination from these two sources noted during the site inspections, nor was there any indications reflected in the annual sampling report.

A memorandum will be sent to the City of Dallas when all of the tenants have corrected the deficiencies noted on their annual reviews so that the City can certify that the airport is in compliance with the SWPPP.

Attachment 1

TurnerCollie & Braden Inc.

Engineers • Planners • Project Managers

17300 DALLAS PARKWAY
SUITE 1010
DALLAS, TEXAS 75248
972-735-3000
FAX 972-735-3001

March 23, 2004

Mr. Bruce Savage
North Texas Aviation
5555 Apollo
Dallas, TX 75237

RE: 2003 Storm Water Inspection

Dear Mr. Savage:

A Texas Pollutant Discharge Elimination System (TPDES) storm water inspection of your facility was performed on January 15, 2004 by the Pollution Prevention Team (PPT). Attached is your copy of the inspection form.

It was determined that your facility is in not in compliance with the Dallas Executive Airport Storm Water Pollution Prevention Plan dated April 2003. The following is a list of deficiencies noted during your inspection:

- Missing 3rd / 4th Quarter Checklist
- Missing Non-Stormwater Discharge Certification

These deficiencies will be considered resolved upon completion of the following required actions, respectively:

- Follow Table 5.3 for Quarterly Checklist Timeline (submit 1st Quarter 2004 inspection for documentation)
- Certify Outfalls by April 16, 2004

The preceding actions must be completed and documentation submitted to the Department of Aviation (DOA) no later than April 16, 2004. If you have any questions concerning the attached inspection form or the documentation request, please contact me at (972) 735-3041.

Sincerely,

Brenda S Gasperich

Brenda S. Gasperich, PE, CFM
Project Manager

Attachment

2003 Annual Site Compliance Evaluations
Dallas Executive Airport

Tenant: North Texas Aviation

Representative: Mr. Bruce Savage

Inspected By: Brenda Gasperich and Dionne Driscoll

Date: January 15, 2004

Time: 3:30pm

Paperwork

- Y N SWPPP readily available? _____
- Y N Notice of Intent or memo in file? (App. D) _____
- Y N Spill Report updated? (App. E) _____
- Y N Checklist complete (3rd and 4th Quarter)? (App. E) _____
- Y N Training complete? (App. E) _____
- Y N Certifications in file? (App. G) _____

Records Update

- Y N Any changes to site map? (including location of 2003 spills)
- Y N Any changes to chemical inventory?
- ~~Y/N~~ 2003 Deicing history or letter stating no deicing?

Notes:

None

Turner Collie & Braden Inc.

PROJECT MEMORANDUM

To: Marvin Poole
From: Brenda Gasperich, P.E.
Date: April 29, 2004
Job No.: 052131166.0001
Subject: Annual Sampling Report – Dallas Executive Airport

This memorandum serves as the annual sampling report of the outfalls at Dallas Executive Airport for the monitoring period of January 1, 2003 through December 31, 2003. In accordance with the TPDES Multi-Sector General Permit, both dry weather and wet weather inspections were performed, and are summarized below.

Dry Weather Inspections

All dry weather inspections were conducted a minimum of 72 hours after a significant rain event (greater than 0.1 inch). The table below is a summary of the dry weather inspections at Dallas Executive Airport. Please refer to the attached drainage area map for the outfall locations monitored during this period.

Outfall ID	Date(s) Inspected	Flow Observed?	Sample Collected?
IF-1	07/23/2003	NO	NO
OF-1	07/23/2003	YES	NO
OF-2	07/23/2003	NO	NO
OF-3	07/23/2003	NO	NO
OF-4	07/23/2003	NO	NO
OF-5	07/23/2003	YES	NO
OF-6	07/23/2003	NO	NO
OF-7	07/23/2003	NO	NO
OF-8	07/23/2003	YES	NO
OF-9	07/23/2003	NO	NO

The dry weather discharge at Outfall 1 was caused by a debris buildup on the upstream side of the culvert outfall. Outfall 5 drains an undeveloped area of the airport. No industrial activity or other pollutant discharge source was observed upstream of Outfall 5. Outfall 8 is a perennial creek that drains an undeveloped area of the airport. No evidence of pollution was observed for any of the dry weather flows.

Wet Weather Monitoring

All wet weather inspections were conducted within 1 hour of the start of a significant rain event and a minimum of 72 hours after the previous significant rain event (greater than 0.1 inch).

Outfall ID	First Quarter: Jan 1 – March 31		Second Quarter: April 1 – June 30		Third Quarter: July 1 – Sept 30		Fourth Quarter: Oct 1 – Dec 31	
	Date(s) Inspected	Sample Collected?	Date(s) Inspected	Sample Collected?	Date(s) Inspected	Sample Collected?	Date(s) Inspected	Sample Collected?
IF-1	n/a	NO ¹	06/05/2003	YES	09/19/2003	YES ³	11/17/2003	YES
OF-1	n/a	NO ¹	06/05/2003	YES	09/19/2003	YES ³	11/17/2003	YES
OF-2	n/a	NO ¹	06/05/2003	NO ²	09/19/2003	NO ²	11/17/2003	YES ³
OF-4	n/a	NO ¹	06/05/2003	YES	09/19/2003	YES ³	11/17/2003	YES
OF-6	n/a	NO ¹	06/05/2003	YES	09/19/2003	YES ³	11/17/2003	YES

¹See attached memorandum – no qualifying storm events during daylight hours for quarter

²No flow at outfall

³Annual metals testing also conducted

The results of the visual monitoring and laboratory analysis for metals indicated no evidence of pollutants for any of the outfalls. Outfalls 3, 8, and 9 were not sampled since they drain entirely undeveloped land. Outfalls 5 and 7 were not sampled since they are substantially similar to Outfall 6. Attached are the visual monitoring forms and laboratory results for the samples collected for the annual metals testing.

Attachments

Distribution: File


Turner Collie & Braden Inc.

PROJECT MEMORANDUM

To: File
From: Nick Batker
Date: July 7, 2003
Job No.: 052131166.0001
Subject: Dallas Executive Airport - Quarterly Visual Monitoring

For the 1st quarter of 2003 (January 1 to March 31), no visual monitoring was performed on the outfalls at Dallas Executive Airport. This was due to (1) qualifying precipitation events (>0.1 inch) that occurred within 72 hours of the previous qualifying event and (2) a lack of qualifying events that occurred during daylight hours when the time between events was greater than 72 hours.

Copy:



Certes Environmental Laboratories, L.L.C.

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Environmental Laboratories, L.L.C. Analytical Service Report

Prepared for:

Turner, Collie & Braden Inc.
17300 Dallas Parkway Ste 1010
Dallas, TX 75248

RE Project ID:
Dept. of Aviation

[none]

Attention:

Zubin Sukheswalla

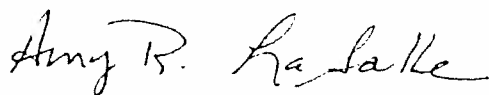
Certes Sample Number

0303484

19 September 2003

All information concerning analytical parameters, methods and protocols which might bear upon or otherwise affect the accuracy of the analytical data in this report have been provided or otherwise disclosed herein. The data were obtained using applicable and appropriate EPA SW-846 or Texas Commission on Environmental Quality approved analytical protocols, Methodologies and quality assurance/quality control standards. Certes Environmental Labs certifies that its quality control program is generally consistent with the International Organization for Standardization Guide 25: General Requirements the Competence of Calibration and Testing Laboratories (ISO 25 3rd Edition, 1990), as amended or the quality standards outlined in the National Environmental Laboratory Accreditation Program, as amended. The entire analytical data package for this report, including the supporting quality control data, will be retained and maintained for at least three (3) years.

Sincerely,



Amy R. LaSalle, President

Gale Denman
Project Manager

Sample Receipt Checklist

Client/Project Turner Collier & Braden LIMS/Certes Job # 03 318-1
 Samples Shipped: UPS Fed Ex Other: _____
 Samples Hand Delivered Client: _____ Courier Service _____

Sample Receipt Phase:

Date/Time Received: 9-11-03 1540 Inspected by: MLM

	Yes	No	N/A	Comments
1. Was COC Present?	/			
2. Was custody seal on shipping container?				
3. Was custody seal on sample container? How many seals? Where? _____ Seal Date: _____ Seal Name: _____			/	
4. Were custody seals unbroken/intact upon arrival?				
5. Was COC sealed in plastic bag and taped to lid?			/	
6. Was COC filled out properly: i.e., ink, signed?	/	/		
7. Did Certes employee sign COC upon receipt?	/			
8. Was project identifiable from COC?	/			
9. Were samples chilled? Type of ice used: <u>wet</u> Temperature of cooler: <u>0-7C</u>				

Log-In Phase:

Date/Time Cooler Opened: 9-11-03 1545 Inspected by: MLM

	Yes	No	N/A	Comments
1. Samples logged in: Date: _____ By: _____				
2. Type of cooler: <u>Sim Taylor</u>				
3. Were bottles sealed in separate plastic bags?	/			
4. Were bottles unbroken, in good condition?	/			
5. Were bottle properly labeled?	/			
6. Did sample labels agree with COC?	/			
7. Were correct containers used?	/			
8. Were samples preserved properly?	/			
9. Adequate amount of sample provided?	/ <u>MLM</u>			
10. Zero headspace for VOCs?	/	/		<u>Sample #2 (07-2) Not Included</u>
11. Were samples received within holding time?	/		/	
12. Was Project Management called and status discussed? If yes, give details below.	/			
Additional Comments:				

Turner, Collie & Braden Inc.
17300 Dallas Parkway Ste 1010
Dallas TX, 75248

Project: Dept. of Aviation
Project Number: [none]
Project Manager: Zubin Sukheswalla

Reported:
09/19/03 10:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
OF-4				
IF-1	0303484-01	Liquid	09/11/03 14:12	09/11/03 15:34
OF-6	0303484-03	Liquid	09/11/03 14:34	09/11/03 15:34
OF-1	0303484-04	Liquid	09/11/03 14:22	09/11/03 15:34
	0303484-05	Liquid	09/11/03 14:44	09/11/03 15:34

Certes Environmental Laboratories, LLC

Gale Denman

Gale Denman, Project Manager

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.

Turner, Collie & Braden Inc.
 17300 Dallas Parkway Ste 1010
 Dallas TX, 75248

Project: Dept. of Aviation
 Project Number: [none]
 Project Manager: Zubin Sukheswalla

Reported:
 09/19/03 10:08

Metals by EPA 200 Series Methods
Certes Environmental Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepare	Analyze	Analyzed By	Method	Notes
OF-4 (0303484-01) Liquid Sampled: 09/11/03 14:12 Received: 09/11/03 15:34										
Copper	< 0.0100	0.0100	mg/L	1						
Mercury	< 0.00010	0.000100	"	"	AI31210	09/12/03	09/18/03	DWT	EPA 200.7	
Magnesium	1.01	0.0100	"	"	AI31212	09/12/03	09/12/03	DWT	EPA 245.2	
Manganese	0.0161	0.0100	"	"	AI31210	09/12/03	09/18/03	DWT	EPA 200.7	
Nickel	< 0.0100	0.0100	"	"	"	"	"	DWT	"	
Silver	< 0.0100	0.0100	"	"	"	"	"	DWT	"	
Arsenic	< 0.0100	0.0100	"	"	"	"	"	DWT	"	
Barium	0.0481	0.0100	"	"	"	"	"	DWT	"	
Cadmium	< 0.00500	0.00500	"	"	"	"	"	DWT	"	
Chromium	0.00860	0.00500	"	"	"	"	"	DWT	"	
Lead	< 0.0150	0.0150	"	"	"	"	"	DWT	"	
Selenium	< 0.0400	0.0400	"	"	"	"	"	DWT	"	
Zinc	0.0115	0.0100	"	"	"	"	"	DWT	"	

IF-1 (0303484-03) Liquid Sampled: 09/11/03 14:34 Received: 09/11/03 15:34										
Copper	0.0227	0.0100	mg/L	1						
Mercury	< 0.00010	0.000100	"	"	AI31210	09/12/03	09/18/03	DWT	EPA 200.7	
Magnesium	0.620	0.0100	"	"	AI31212	09/12/03	09/12/03	DWT	EPA 245.2	
Manganese	0.0891	0.0100	"	"	AI31210	09/12/03	09/18/03	DWT	EPA 200.7	
Nickel	< 0.0100	0.0100	"	"	"	"	"	DWT	"	
Silver	< 0.0100	0.0100	"	"	"	"	"	DWT	"	
Arsenic	< 0.0100	0.0100	"	"	"	"	"	DWT	"	
Barium	0.155	0.0100	"	"	"	"	"	DWT	"	
Cadmium	< 0.00500	0.00500	"	"	"	"	"	DWT	"	
Chromium	< 0.00500	0.00500	"	"	"	"	"	DWT	"	
Lead	0.0176	0.0150	"	"	"	"	"	DWT	"	
Selenium	< 0.0400	0.0400	"	"	"	"	"	DWT	"	
Zinc	0.170	0.0100	"	"	"	"	"	DWT	"	

Certes Environmental Laboratories, LLC

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.

Gale Denman

Gale Denman, Project Manager

Turner, Collie & Braden Inc.
 17300 Dallas Parkway Ste 1010
 Dallas TX, 75248

Project: Dept. of Aviation
 Project Number: [none]
 Project Manager: Zubin Sukheswalla

Reported:
 09/19/03 10:08

Metals by EPA 200 Series Methods
Certes Environmental Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepare	Analyze	Analyzed By	Method	Notes
OF-6 (0303484-04) Liquid Sampled: 09/11/03 14:22 Received: 09/11/03 15:34										
Copper	< 0.0100	0.0100	mg/L	1	AI31210	09/12/03	09/18/03	DWT	EPA 200.7	
Mercury	< 0.00010	0.000100	"	"	AI31212	09/12/03	09/12/03	DWT	EPA 245.2	
Magnesium	0.508	0.0100	"	"	AI31210	09/12/03	09/18/03	DWT	EPA 200.7	
Manganese	0.0760	0.0100	"	"	"	"	"	DWT	"	
Nickel	< 0.0100	0.0100	"	"	"	"	"	DWT	"	
Silver	< 0.0100	0.0100	"	"	"	"	"	DWT	"	
Arsenic	< 0.0100	0.0100	"	"	"	"	"	DWT	"	
Barium	0.0379	0.0100	"	"	"	"	"	DWT	"	
Cadmium	< 0.00500	0.00500	"	"	"	"	"	DWT	"	
Chromium	< 0.00500	0.00500	"	"	"	"	"	DWT	"	
Lead	< 0.0150	0.0150	"	"	"	"	"	DWT	"	
Selenium	< 0.0400	0.0400	"	"	"	"	"	DWT	"	
Zinc	0.0632	0.0100	"	"	"	"	"	DWT	"	
OF-1 (0303484-05) Liquid Sampled: 09/11/03 14:44 Received: 09/11/03 15:34										
Copper	< 0.0100	0.0100	mg/L	1	AI31210	09/12/03	09/18/03	DWT	EPA 200.7	
Mercury	< 0.00010	0.000100	"	"	AI31212	09/12/03	09/12/03	DWT	EPA 245.2	
Magnesium	1.79	0.0100	"	"	AI31210	09/12/03	09/18/03	DWT	EPA 200.7	
Manganese	0.920	0.0100	"	"	"	"	"	DWT	"	
Nickel	< 0.0100	0.0100	"	"	"	"	"	DWT	"	
Silver	< 0.0100	0.0100	"	"	"	"	"	DWT	"	
Arsenic	< 0.0100	0.0100	"	"	"	"	"	DWT	"	
Barium	0.0730	0.0100	"	"	"	"	"	DWT	"	
Cadmium	< 0.00500	0.00500	"	"	"	"	"	DWT	"	
Chromium	< 0.00500	0.00500	"	"	"	"	"	DWT	"	
Lead	< 0.0150	0.0150	"	"	"	"	"	DWT	"	
Selenium	< 0.0400	0.0400	"	"	"	"	"	DWT	"	
Zinc	0.0217	0.0100	"	"	"	"	"	DWT	"	

Certes Environmental Laboratories, LLC

Gale Denman

Gale Denman, Project Manager

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Turner, Collie & Braden Inc.
 17300 Dallas Parkway Ste 1010
 Dallas TX, 75248

Project: Dept. of Aviation
 Project Number: [none]
 Project Manager: Zubin Sukheswalla

Reported:
 09/19/03 10:08

Metals by EPA 200 Series Methods - Quality Control
Certes Environmental Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI31210 - EPA 200.7/3010 ICP

Blank (AI31210-BLK1)

Prepared: 09/12/03 Analyzed: 09/18/03

Copper	<	0.0100	mg/L							
Magnesium	<	0.0100	"							
Manganese	<	0.0100	"							
Nickel	<	0.0100	"							
Silver	<	0.0100	"							
Zinc	<	0.0100	"							
Arsenic	<	0.0100	"							
Barium	<	0.0100	"							
Cadmium	<	0.00500	"							
Chromium	<	0.00500	"							
Lead	<	0.0150	"							
Selenium	<	0.0400	"							

LCS (AI31210-BS1)

Prepared: 09/12/03 Analyzed: 09/18/03

Copper	0.929	0.0100	mg/L	1.00		92.9	80-120			
Magnesium	0.885	0.0100	"	1.00		88.5	80-120			
Manganese	0.935	0.0100	"	1.00		88.5	80-120			
Nickel	0.874	0.0100	"	1.00		93.5	80-120			
Silver	0.913	0.0100	"	1.00		87.4	80-120			
Zinc	0.913	0.0100	"	1.00		91.3	80-120			
Arsenic	0.892	0.0100	"	1.00		89.2	80-120			
Barium	0.902	0.0100	"	1.00		90.2	80-120			
Cadmium	0.912	0.0100	"	1.00		91.2	80-120			
Chromium	0.889	0.00500	"	1.00		88.9	80-120			
Lead	0.910	0.00500	"	1.00		91.0	80-120			
Selenium	0.871	0.0150	"	1.00		87.1	80-120			
	0.867	0.0400	"	1.00		86.7	80-120			

LCS Dup (AI31210-BSD1)

Prepared: 09/12/03 Analyzed: 09/18/03

Copper	0.932	0.0100	mg/L	1.00		93.2	80-120	0.322	20	
Magnesium	0.882	0.0100	"	1.00		88.2	80-120	0.340	20	
Manganese	0.938	0.0100	"	1.00		93.8	80-120	0.320	20	
Nickel	0.875	0.0100	"	1.00		87.5	80-120	0.114	20	
Silver	0.900	0.0100	"	1.00		90.0	80-120	1.43	20	
Zinc	0.894	0.0100	"	1.00		89.4	80-120	0.224	20	
Arsenic	0.901	0.0100	"	1.00		90.1	80-120	0.111	20	

Certes Environmental Laboratories, LLC

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Gale Denman

Gale Denman, Project Manager

Turner, Collie & Braden Inc.
 17300 Dallas Parkway Ste 1010
 Dallas TX, 75248

Project: Dept. of Aviation
 Project Number: [none]
 Project Manager: Zubin Sukheswalla

Reported:
 09/19/03 10:08

Metals by EPA 200 Series Methods - Quality Control
Certes Environmental Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI31210 - EPA 200.7/3010 ICP

LCS Dup (AI31210-BSD1)

Prepared: 09/12/03 Analyzed: 09/18/03

Barium	0.899	0.0100	mg/L	1.00		89.9	80-120	1.44	20	
Cadmium	0.903	0.00500	"	1.00		90.3	80-120	1.56	20	
Chromium	0.912	0.00500	"	1.00		91.2	80-120	0.220	20	
Lead	0.870	0.0150	"	1.00		87.0	80-120	0.115	20	
Selenium	0.868	0.0400	"	1.00		86.8	80-120	0.115	20	

Matrix Spike (AI31210-MS1)

Source: 0303479-01

Prepared: 09/12/03 Analyzed: 09/18/03

Copper	1.01	0.0100	mg/L	1.00	0.0224	98.8	75-125			
Magnesium	2.08	0.0100	"	1.00	1.13	95.0	75-125			
Manganese	1.11	0.0100	"	1.00	0.109	100	75-125			
Nickel	0.906	0.0100	"	1.00	0.00740	89.9	75-125			
Silver	0.967	0.0100	"	1.00	<	96.7	75-125			
Zinc	1.76	0.0100	"	1.00	0.798	96.2	75-125			
Arsenic	0.970	0.0100	"	1.00	<	97.0	75-125			
Barium	1.04	0.0100	"	1.00	0.0696	97.0	75-125			
Cadmium	0.940	0.00500	"	1.00	0.000500	94.0	75-125			
Chromium	0.961	0.00500	"	1.00	0.00890	95.2	75-125			
Lead	0.913	0.0150	"	1.00	0.00880	90.4	75-125			
Selenium	0.937	0.0400	"	1.00	<	93.7	75-125			

Matrix Spike Dup (AI31210-MSD1)

Source: 0303479-01

Prepared: 09/12/03 Analyzed: 09/18/03

Copper	0.994	0.0100	mg/L	1.00	0.0224	97.2	75-125	1.60	20	
Magnesium	2.06	0.0100	"	1.00	1.13	93.0	75-125	0.966	20	
Manganese	1.11	0.0100	"	1.00	0.109	100	75-125	0.00	20	
Nickel	0.899	0.0100	"	1.00	0.00740	89.2	75-125	0.776	20	
Silver	0.959	0.0100	"	1.00	<	95.9	75-125	0.831	20	
Zinc	1.74	0.0100	"	1.00	0.798	94.2	75-125	1.14	20	
Arsenic	0.942	0.0100	"	1.00	<	94.2	75-125	2.93	20	
Barium	1.02	0.0100	"	1.00	0.0696	95.0	75-125	1.94	20	
Cadmium	0.928	0.00500	"	1.00	0.000500	92.8	75-125	1.28	20	
Chromium	0.952	0.00500	"	1.00	0.00890	94.3	75-125	0.941	20	
Lead	0.901	0.0150	"	1.00	0.00880	89.2	75-125	1.32	20	
Selenium	0.914	0.0400	"	1.00	<	91.4	75-125	2.49	20	

Certes Environmental Laboratories, LLC

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Gale Denman

Gale Denman, Project Manager

Turner, Collie & Braden Inc.
 17300 Dallas Parkway Ste 1010
 Dallas TX, 75248

Project: Dept. of Aviation
 Project Number: [none]
 Project Manager: Zubin Sukheswalla

Reported:
 09/19/03 10:08

Metals by EPA 200 Series Methods - Quality Control
Certes Environmental Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch AI31212 - EPA 7470A Hg-Liq										
Blank (AI31212-BLK1)										
Mercury	<	0.000100	mg/L							Prepared & Analyzed: 09/12/03
LCS (AI31212-BS1)										
Mercury	0.00520	0.000100	mg/L	0.00500		104	80-120			Prepared & Analyzed: 09/12/03
LCS Dup (AI31212-BSD1)										
Mercury	0.00510	0.000100	mg/L	0.00500		102	80-120	1.94	20	Prepared & Analyzed: 09/12/03
Matrix Spike (AI31212-MS1)										
Mercury	0.00540	0.000100	mg/L	0.00500	<	108	75-125			Source: 0303461-01 Prepared & Analyzed: 09/12/03
Matrix Spike Dup (AI31212-MSD1)										
Mercury	0.00530	0.000100	mg/L	0.00500	<	106	75-125	1.87	20	Source: 0303461-01 Prepared & Analyzed: 09/12/03

Certes Environmental Laboratories, LLC

Gale Denman

Gale Denman, Project Manager

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Turner, Collie & Braden Inc.
17300 Dallas Parkway Ste 1010
Dallas TX, 75248

Project: Dept. of Aviation
Project Number: [none]
Project Manager: Zubin Sukheswalla

Reported:
09/19/03 10:08

Notes and Definitions

DET Analyte DETECTED
< 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

Certes Environmental Laboratories, LLC



Gale Denman, Project Manager

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Certes Environmental Laboratories, L.L.C.

2025 McKenzie Drive, Suite 160, Carrollton, TX 75006
 Phone: (972) 620-7966 FAX: (972) 620-7963
 Dallas • Fort Worth • Houston • Austin
 inTRRprefer™

Company
TURNER COLLEGE & BRADEN
 Contact (Report Recipient)
TURNER SOKNOSIAZKA
 Company Address
17300 DALLAS PARKWAY, SUITE 1010 DALLAS
 Billing Address (if Different)
 City State Zip
DALLAS TX 75245

Sampled By
ANITA ROSE/TURNER SOKNOSIAZKA
 Client Project ID
17300 DALLAS PARKWAY REDBIRD AIRPORT
 Quotation No.

Special Instructions (Including Specific Detection Limits)

Certes No.	Sample ID	Collect Date	Collect Time	Matrix*
1	OF-4	09/11/03	2:34pm	
2	OF-2	09/11/03	2:55pm	
3	IF-1	09/11/03	2:34pm	
4	OF-6	09/11/03	2:23pm	
5	OF-7	09/11/03	2:46pm	

MUST BE COMPLETED BY CLIENT

inTRRprefer™ Products

TRRP 13 Report Format (MDL, MQL, SQL)

TRRP 13 with LRC's (R Section)

TRRP 13 with LRC's (R&S Sections)

APAR Table 1 APAR Table 6

TRRP PCL Query None Required

Analysis for Permit Compliance:
 Yes No (if yes, requires Lab must use methods listed in 40 CFR Part 136.)

DMR Form Required Yes No

Do you require specific limits or compound List? Yes No

if Yes, specify regulatory driver

Relinquished By (Signature):
ANITA ROSE

Relinquished By (Signature):
ANITA ROSE

Date: 09/11/03
 Time: 15:54

Received By (Signature):
ANITA ROSE

Samples Shipped By:
 UPS _____ FedEx _____ Greyhound _____ Other _____

Samples Shipped By:
 UPS _____ FedEx _____ Greyhound _____ Other _____

Certes Job No. _____

TURNAROUND TIME: Standard (7-10)
 RUSH: 1 2 3 5 days (Additional Charge for RUSH)
 What type reporting feature would you like to use?
 Fax EDD Mail Only
 E-mail Address: _____

Web-Based Data Access Available!
 Phone No. 972 735 3040 Fax No. 972 735 3001
 City State Zip
DALLAS TX 75245

Comments:
 1. Samples @ 4 degrees +/-2 degrees Celsius?
 2. If no, Temperature of Cooler
 3. Samples received intact?
 4. Zero headspace for VOC's?
 5. If no, sample number:
 6. If no, client contacted? Date: Initial:
 7. Correct containers used?
 8. Adequate volume provided?
 9. Samples preserved correctly?
 10. Samples received within holding time?
 11. Agreement between COC and sample labels?

Analysis (es) Requested (List specific method, if required)

Analysis	PCRA-9	COFFEE	MINERALEX	MEKEX	ZINC	Number of Containers	Field PID Readings
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		

By signing, you have agreed to our terms and agreements listed on the reverse side.
 *Matrix: A - Air Bag; C - Charcoal tube; L - Liquid; OL - Oil; S - Soil; SD - Solid; SL - Sludge; WP - Wipe; W - Water/Wastewater



Certes Environmental Laboratories, L.L.C.

2025 McKenzie Drive, Suite 160, Carrollton, TX 75006
(972) 620-7966 Fax: (972) 620-7963
Dallas ♦ Fort Worth ♦ Houston ♦ Austin
www.certeslabs.com

Certes *Professionals Testing Air, Land and Sea*

Environmental Laboratories, L.L.C. Analytical Service Report

Prepared for:

Turner, Collie & Braden Inc.
17300 Dallas Parkway Ste 1010

Dallas, TX 75248

RE Project ID:

Dept. of Aviation
DALLAS REDBIRD AIRPORT

Attention:

Zubin Sukheswalla

Certes Sample Number

0304396

28 November 2003

All information concerning analytical parameters, methods and protocols which might bear upon or otherwise affect the accuracy of the analytical data in this report have been provided or otherwise disclosed herein. The data were obtained using applicable and appropriate EPA SW-846 or Texas Commission on Environmental Quality approved analytical protocols, Methodologies and quality assurance/quality control standards. Certes Environmental Labs certifies that its quality control program is generally consistent with the International Organization for Standardization Guide 25: General Requirements the Competence of Calibration and Testing Laboratories (ISO 25 3rd Edition, 1990), as amended or the quality standards outlined in the National Environmental Laboratory Accreditation Program, as amended. The entire analytical data package for this report, including the supporting quality control data, will be retained and maintained for at least three (3) years.

Sincerely,

Arthur Greeley, Technical Director

Colleen Taylor For Gale Denman, Project

Turner, Collie & Braden Inc.
17300 Dallas Parkway Ste 1010
Dallas TX, 75248

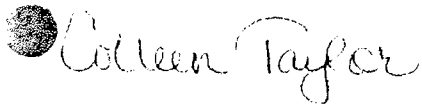
Project: Dept. of Aviation
Project Number: DALLAS REDBIRD AIRPORT
Project Manager: Zubin Sukheswalla

Reported:
11/28/03 13:18

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
OF-2	0304396-01	Liquid	11/17/03 16:30	11/18/03 10:15

Certes Environmental Laboratories, LLC



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Colleen Taylor For Gale Denman, Project Manager

Turner, Collie & Braden Inc.
 17300 Dallas Parkway Ste 1010
 Dallas TX, 75248

Project: Dept. of Aviation
 Project Number: DALLAS REDBIRD AIRPORT
 Project Manager: Zubin Sukheswalla

Reported:
 11/28/03 13:18

Metals by EPA 200 Series Methods
Certes Environmental Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepare	Analyze	Analyzed By	Method	Notes
OF-2 (0304396-01) Liquid Sampled: 11/17/03 16:30 Received: 11/18/03 10:15 Batch: AK32301										
Copper	< 0.0200	0.0200	mg/L	2	AK32301	11/23/03	11/24/03	DWT	EPA 200.7	
Manganese	0.556	0.0200	"	"	"	"	"	DWT	"	
Mercury	0.000100	0.000100	"	1	AK32407	11/24/03	11/24/03	DWT	EPA 245.2	
Nickel	< 0.0200	0.0200	"	2	AK32301	11/23/03	11/24/03	DWT	EPA 200.7	
Silver	< 0.0200	0.0200	"	"	"	"	"	DWT	"	
Zinc	0.165	0.0200	"	"	"	"	"	DWT	"	
Arsenic	< 0.0200	0.0200	"	"	"	"	"	DWT	"	
Barium	0.0827	0.0200	"	"	"	"	"	DWT	"	
Cadmium	< 0.0100	0.0100	"	"	"	"	"	DWT	"	
Chromium	0.0161	0.0100	"	"	"	"	"	DWT	"	
Lead	< 0.0300	0.0300	"	"	"	"	"	DWT	"	
Selenium	< 0.0800	0.0800	"	"	"	"	"	DWT	"	

Certes Environmental Laboratories, LLC

Colleen Taylor

Colleen Taylor For Gale Denman, Project Manager

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 17300 Dallas Parkway Ste 1010
 Dallas TX, 75248

Project: Dept. of Aviation
 Project Number: DALLAS REDBIRD AIRPORT
 Project Manager: Zubin Sukheswalla

Reported:
 11/28/03 13:18

Metals by EPA 200 Series Methods - Quality Control
Certes Environmental Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AK32301

Blank (AK32301-BLK1)

Prepared: 11/23/03 Analyzed: 11/24/03

Copper	<	0.0100	mg/L							
Zinc	<	0.0100	"							
Nickel	<	0.0100	"							
Manganese	<	0.0100	"							
Silver	<	0.0100	"							
Arsenic	<	0.0100	"							
Barium	<	0.0100	"							
Cadmium	<	0.0100	"							
Chromium	<	0.00500	"							
Lead	<	0.00500	"							
Selenium	<	0.0150	"							
	<	0.0400	"							

LCS (AK32301-BS1)

Prepared: 11/23/03 Analyzed: 11/24/03

Zinc	1.06	0.0100	mg/L	1.00				106	80-120	
Silver	1.02	0.0100	"	1.00				102	80-120	
Nickel	1.08	0.0100	"	1.00				108	80-120	
Manganese	1.02	0.0100	"	1.00				102	80-120	
Copper	1.04	0.0100	"	1.00				104	80-120	
Arsenic	1.06	0.0100	"	1.00				106	80-120	
Barium	1.06	0.0100	"	1.00				106	80-120	
Cadmium	1.09	0.00500	"	1.00				109	80-120	
Chromium	1.10	0.00500	"	1.00				110	80-120	
Lead	1.08	0.0150	"	1.00				108	80-120	
Selenium	1.07	0.0400	"	1.00				107	80-120	

LCS Dup (AK32301-BSD1)

Prepared: 11/23/03 Analyzed: 11/24/03

Copper	1.01	0.0100	mg/L	1.00				101	80-120	2.93	20
Manganese	1.01	0.0100	"	1.00				101	80-120	0.985	20
Nickel	1.08	0.0100	"	1.00				108	80-120	0.00	20
Silver	1.02	0.0100	"	1.00				102	80-120	0.00	20
Zinc	1.04	0.0100	"	1.00				104	80-120	1.90	20
Arsenic	1.04	0.0100	"	1.00				104	80-120	1.90	20
Barium	1.05	0.0100	"	1.00				105	80-120	0.948	20
Cadmium	1.06	0.00500	"	1.00				106	80-120	2.79	20
Chromium	1.09	0.00500	"	1.00				109	80-120	0.913	20

Certes Environmental Laboratories, LLC

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Colleen Taylor

Colleen Taylor For Gale Denman, Project Manager

Turner, Collie & Braden Inc.
 17300 Dallas Parkway Ste 1010
 Dallas TX, 75248

Project: Dept. of Aviation
 Project Number: DALLAS REDBIRD AIRPORT
 Project Manager: Zubin Sukheswalla

Reported:
 11/28/03 13:18

Metals by EPA 200 Series Methods - Quality Control
Certes Environmental Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AK32301

LCS Dup (AK32301-BSD1)

Prepared: 11/23/03 Analyzed: 11/24/03

Lead	1.07	0.0150	mg/L	1.00		107	80-120	0.930	20	
Selenium	1.06	0.0400	"	1.00		106	80-120	0.939	20	

Matrix Spike (AK32301-MS1)

Source: 0304392-01

Prepared: 11/23/03 Analyzed: 11/24/03

Zinc	1.42	0.0100	mg/L	1.00	0.372	105	75-125			
Silver	1.05	0.0100	"	1.00	<	105	75-125			
Nickel	1.07	0.0100	"	1.00	0.00220	107	75-125			
Manganese	1.04	0.0100	"	1.00	0.0287	101	75-125			
Copper	1.03	0.0100	"	1.00	0.0192	101	75-125			
Arsenic	1.05	0.0100	"	1.00	0.00320	105	75-125			
Barium	1.07	0.0100	"	1.00	0.0161	105	75-125			
Cadmium	1.08	0.00500	"	1.00	0.000400	108	75-125			
Chromium	1.08	0.00500	"	1.00	0.00550	107	75-125			
Lead	1.11	0.0150	"	1.00	0.0350	108	75-125			
Selenium	1.05	0.0400	"	1.00	<	105	75-125			

Matrix Spike Dup (AK32301-MSD1)

Source: 0304392-01

Prepared: 11/23/03 Analyzed: 11/24/03

Copper	1.01	0.0100	mg/L	1.00	0.0192	99.1	75-125	1.96	20	
Zinc	1.39	0.0100	"	1.00	0.372	102	75-125	2.14	20	
Silver	1.01	0.0100	"	1.00	<	101	75-125	3.88	20	
Manganese	1.02	0.0100	"	1.00	0.0287	99.1	75-125	1.94	20	
Nickel	1.02	0.0100	"	1.00	0.00220	102	75-125	4.78	20	
Arsenic	1.02	0.0100	"	1.00	0.00320	102	75-125	2.90	20	
Barium	1.04	0.0100	"	1.00	0.0161	102	75-125	2.84	20	
Cadmium	1.05	0.00500	"	1.00	0.000400	105	75-125	2.82	20	
Chromium	1.05	0.00500	"	1.00	0.00550	104	75-125	2.82	20	
Lead	1.08	0.0150	"	1.00	0.0350	104	75-125	2.74	20	
Selenium	1.03	0.0400	"	1.00	<	103	75-125	1.92	20	

Certes Environmental Laboratories, LLC

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.

Colleen Taylor

Colleen Taylor For Gale Denman, Project Manager

Turner, Collie & Braden Inc.
 17300 Dallas Parkway Ste 1010
 Dallas TX, 75248

Project: Dept. of Aviation
 Project Number: DALLAS REDBIRD AIRPORT
 Project Manager: Zubin Sukheswalla

Reported:
 11/28/03 13:18

Metals by EPA 200 Series Methods - Quality Control
Certes Environmental Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch AK32407

Blank (AK32407-BLK1)

Prepared & Analyzed: 11/24/03

Mercury < 0.000100 mg/L

LCS (AK32407-BS1)

Prepared & Analyzed: 11/24/03

Mercury 0.00480 0.000100 mg/L 0.00500 96.0 80-120

LCS Dup (AK32407-BSD1)

Prepared & Analyzed: 11/24/03

Mercury 0.00480 0.000100 mg/L 0.00500 96.0 80-120 0.00 20

Matrix Spike (AK32407-MS1)

Source: 0304396-01

Prepared & Analyzed: 11/24/03

Mercury 0.00470 0.000100 mg/L 0.00500 0.000100 92.0 75-125

Matrix Spike Dup (AK32407-MSD1)

Source: 0304396-01

Prepared & Analyzed: 11/24/03

Mercury 0.00470 0.000100 mg/L 0.00500 0.000100 92.0 75-125 0.00 20

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Colleen Taylor

Colleen Taylor For Gale Denman, Project Manager

Turner, Collie & Braden Inc.
17300 Dallas Parkway Ste 1010
Dallas TX, 75248

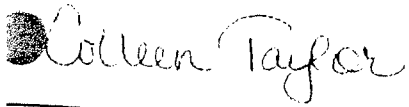
Project: Dept. of Aviation
Project Number: DALLAS REDBIRD AIRPORT
Project Manager: Zubin Sukheswalla

Reported:
11/28/03 13:18

Notes and Definitions

- DET Analyte DETECTED
- < 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

ertes Environmental Laboratories, LLC



Colleen Taylor For Gale Denman, Project Manager

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.

SAMPLE RECEIPT CHECKLIST

Client/Project: Turner Collie & Braden Inc.

LIMS/Certes Job # 03-4396

Samples Shipped: UPS Fed Ex Other: _____

Samples Hand Delivered Client: _____

Courier Service: _____

A. SAMPLE RECEIPT PHASE:

Date/Time Received: 11-18-03

10:15 Inspected by: MLM

	Yes	No	N/A	Comments:
1. Was COC present?	✓			
2. Was custody seal on shipping container?				
3. Was custody seal on sample containers? How many seals, where? Seal Date: _____ Seal Name: _____			✓	
4. Were custody seals unbroken/intact upon arrival?			✓	
5. Was COC sealed in plastic bag and taped to lid?			✓	
6. Was COC filled out properly; i.e., ink, signed?			✓	
7. Did Certes employee sign COC upon receipt?	✓			Hand Delivered
8. Was project identifiable from COC?	✓			
9. Were samples chilled? Type of ice used: _____ Temperature of Cooler: <u>12.0C?</u>	✓			TEMP. SERIAL #230146063
10. Is TRRP reporting required?				

LOG-IN PHASE:

Date/Time Cooler Opened: 11-18-03

10:15 Inspected by: MLM

	Yes	No	N/A	Comments:
1. Samples logged in: Date: <u>11-18-03</u> By: <u>MLM</u>	✓			
2. Type of cooler: <u>None</u>				
3. Were bottles sealed in separate plastic bags?		✓		
4. Were bottles unbroken, in good condition?			✓	
5. Were bottles properly labeled?			✓	
6. Did sample labels agree with COC?	✓			
7. Were correct containers used?	✓			
8. Were samples preserved properly?	✓			
9. Adequate amount of sample provided?	✓			
10. Zero headspace for VOCs?	✓			
11. Were samples received within holding time?			✓	
12. Was Project Mgmt. called and status discussed? If yes, give details below.	✓			
Additional Comments:				

0304396

11/18/2003 0:34:41A

Certes Environmental Laboratories, LLC

Client: Turner, Collie & Braden Inc.
Project: Dept of Aviation

Project Manager: Gale Denman
Project Number: DALLAS REDBIRD AIRPORT

Report To:

Turner Collie & Braden Inc
Zubin Sukheswalla
17300 Dallas Parkway Ste 1010
Dallas, TX 75248
Phone (972) 735-3014
Fax: 972-735-3001

Invoice To:

Turner, Collie & Braden Inc.
Zubin Sukheswalla
17300 Dallas Parkway Ste 1010
Dallas, TX 75248
Phone: (972) 735-3014
Fax: 972-735-3001

Date Due 12/03/03 19:00 (10 day TAT)

Received By Marcelo Moody

Date Received: 11/18/03 10:15

Logged In By Marcelo Moody

Date Logged In: 11/18/03 12:37

Samples Received at:	12°C
All containers intact:	Yes
Sample labels/COC agree	Yes
Samples Preserved Properly:	Yes
Custody Seals Present:	Yes

Analysis	Due	TAT	Expires	Comments
0304396-01 OF-2 [Liquid] Sampled 11/17/03 16:30 Central				
Cu - 200 7	12/03/03 19:00	10	05/15/04 16:30	
245 1	12/03/03 19:00	10	12/15/03 16:30	
Mn - 200 7	12/03/03 19:00	10	05/15/04 16:30	
Ni - 200 7	12/03/03 19:00	10	05/15/04 16:30	
RCRA - 200 7	12/03/03 19:00	10	05/15/04 16:30	
Zn - 200 7	12/03/03 19:00	10	05/15/04 16:30	

Reviewed By _____ Date _____