

**MWH**

MONTGOMERY WATSON HARZA

300 N. Lake Avenue, Suite 1200

Pasadena, CA 91101

(626) 568-6600

Chain of Custody

Project: SSFL Post-Tensioning Fire

Control Number: COC WL007

Date 10/7/05 Page 1 of 1

Sample Disposal Instructions: Laboratory Disposal

Shipment Method: Courier

Comment:

Project Manager:	Dixie Hambrick
Project Name:	Boeing SSFL
Project Number:	1590360
Deliver the results to the address above or as stated in contract	

Bill To:	Lowel Moffit
Company:	MWH
Address:	300 N. Lake Avenue, Suite 1200 Pasadena, CA, 91101

Cooler No.	
QC Level:	TAT:

Preservatives	HCL, pH<2 4°C	HCL, pH<2 4°C	4°C	4°C	4°C	4°C	H2SO4, pH<2 4°C	4°C	HNO3, pH<2 4°C	4°C	4°C	4°C	4°C	4°C	4°C	4°C
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Sample Data						
Sample ID	Description (for MWH use only)	SWMU	Depth	Date Collected	Time Collected	ULS Number
WL007	CRP-1-Soil	-	0	10/7/05	1215	-
WL008	CF-1-Soil	-	0		1330	-
WL009	CF-1-Ash	-	0		1335	-
WL010	PCC-1-Soil	-	0		1420	-
WL011	PCC-1-Ash	-	0		1425	-
WL012	SO-1 SOIL	-	0	10/10/05	1041	-
WL013	SO-1 ASH	-	0		1055	-
WL014	WC-1 ASH	-	0		1145	-
WL015	WC-1 SOIL	-	0		1150	-

Matrix		
Soil	Water	Product
X		Ash
X		
X		
X		
X		
X		
X		
X		
X		

8260B VOC	8015BM TPH	8270CSM SVOC pH only	8270C SVOC	8290 DIOXINS	8315A FORMALDEHYDE	8330 ORDNANCE	6000/7000 METALS NIDES	7196A HEX CHROMIUM	8082 PCBs	9040B/9045C pH	3440# FLUORIDE	300M ANIONS	300M HYDRAZINE	314.0 PERCHLORATE	300M MBAS	Sampling Method	Extra Volume	MS/MSD	HOLD	Total # of Bottles
		X		X			X				X	X			X	G	X	X	X	3
																G	X	X	X	3
																G	X	X	X	3
																G	X	X	X	3
		X		X			X				X	X			X	G	X	X	X	3
		X		X			X				X	X			X	G	X	X	X	3
		X		X			X				X	X			X	G	X	X	X	3
		X		X			X				X	X			X	G	X	X	X	3

Samplers Signature:	Date	Time
<i>Thomas J. Bo</i>	10/7/05	1200
Relinquished By:	Date	Time
<i>Thomas J. Bo</i>	10/10/05	1625
Received By:	Date	Time
<i>BDX/Boo</i>	10/10/05	1625
Relinquished By:	Date	Time
<i>BDX/Boo</i>	10/10/05	1820
Received By (LAB):	Date	Time

For Lab Use	
Lab Number:	Comments:
Does COC match samples: Y or N	Please use NIDES metals list + homogenize samples prior to analysis
Broken container: Y or N	
Received within holding time: Y or N	
COC Seal intact: Y or N	
Any other problems: Y or N	
If any YES, MWH contacted: Y or N	
Date Contacted: / /	
Temperature °C	

**MWH**

MONTGOMERY WATSON HARZA

300 N. Lake Avenue, Suite 1200
Pasadena, CA 91101
(626) 568-6600

#315

Project: SSFL Post-Tensioning Fire

Control Number: COC WL007

Date 10/7/05 Page 1 of

Project Manager:	Dixie Hambrick
Project Name:	Boeing SSFL
Project Number:	1590560
Deliver the results to the address above or as stated in contract	

Bill To:	Lowel Moffit
Company:	MWH
Address:	300 N. Lake Avenue, Suite 1200 Pasadena, CA, 91101

Sample Disposal Instructions:	Laboratory Disposal
Shipment Method:	Courier
Comment:	

Cooler No.		TAT:	
QC Level:			

Preservatives	HCL, pH<2 4°C	HCL, pH<2 4°C	4°C	4°C	4°C	4°C	H2SO4, pH<2 4°C	4°C	HNO3, pH<2 4°C	4°C	4°C	4°C	4°C	4°C	4°C	4°C
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Sample Data						
Sample ID	Description (for MWH use only)	SWMU	Depth	Date Collected	Time Collected	ULS Number
WL007	CRP-1-Soil	-	0	10/7/05	1215	-
WL008	CF-1-Soil	-	0		1330	-
WL009	CF-1-Ash	-	0		1335	-
WL010	PCC-1-Soil	-	0		1420	-
WL011	PCC-1-Ash	-	0		1425	-
WL012	SC-1 SOIL	-	0	10/10/05	1041	-
WL013	SC-1 ASH	-	0		1055	-
WL014	WC-1 ASH	-	0		1145	-
WL015	WC-1 SOIL	-	0		1150	-

Matrix			
Soil	Water	Product	Ash
X			
X			
			X
X			X
X			X
			X
X			X

8260B VOC	8015BM TPH	8270CSM SVOC pH only	8270C SVOC	8290 DIOXINS	8315A FORMALDEHYDE	8330 ORDNANCE	6000/7000 METALS NPDES	7196A HEX CHROMIUM	8082 PCBs	9040B/9045C pH	3492 FLUORIDE CN ⁻	300M ANIONS NH4, SO4	300M HYDRAZINE	314.0 PERCHLORATE	330 MBAS Sampling Method	Extra Volume MS/MSD	HOLD	Total # of Bottles
		X		X		X					X	X		X	G	X	X	3
															G	X	X	3
															G	X	X	3
															G	X	X	3
															G	X	X	3
		X		X		X					X	X		X	G	X	X	3
		X		X		X					X	X		X	G	X	X	3
		X		X		X					X	X		X	G	X	X	3

JP 10/10/05

Sampler Signature:	Date	Time
<i>Thom J Bo</i>	10/7/05	1200
Relinquished By:	Date	Time
<i>Thom J Bo</i>	10/10/05	1625
Received By:	Date	Time
<i>BDX poe</i>	10/10/05	1625
Relinquished By:	Date	Time
<i>BDX poe</i>	10/10/05	1820
Received By (LAB):	Date	Time
<i>[Signature]</i>	10/10/05	1820

For Lab Use	
Lab Number:	Comments:
Does COC match samples: Y or N	Please use NPDES metals list + homogenize samples prior to analysis
Broken container: Y or N	
Received within holding time: Y or N	
COC Seal intact: Y or N	
Any other problems: Y or N	
If any YES, MWH contacted: Y or N	
Date Contacted: 1/1	
Temperature °C: 5.1	

F A X9444 Farnham Street, Suite 300
San Diego, California 92123

Date: 10/12/2005

Tel: 858-751-1200
Fax: 858-751-1201

To: Michele Chamberlin / Del Mar Analytical

Fax No: 949-261-1228

From: Edmund Sarao

sign:

Subject: Chain-of-Custody Form Analytical Request Change

No. of Pages: 2
(including cover)**Per Request:**

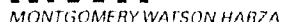
Please make the changes listed below to the chain-of-custody analytical request form. Include this form with the final deliverables for these samples.

COC No.	EPA Sample ID(s)	MWH Sample ID(s)	Date Collected	Originally Requested Analyses	Change (s) and Method (s) Now Requested
WL007	WL008	CF-1-Soil	10/07/05	Analysis on "HOLD"	PAH (8270CSIM) , Dioxin (1613B), Metals (NPDES protocol), MBAS, Cyanide (photo-exposure prior to analysis), Ammonia and Sulfate. Standard TAT.
WL007	WL009	CF-1-Ash	10/07/05	Analysis on "HOLD"	PAH (8270CSIM) , Dioxin (1613B), Metals (NPDES protocol), MBAS, Cyanide (photo-exposure prior to analysis), Ammonia and Sulfate. Standard TAT.
WL007	WL010	PCC-1-Soil	10/07/05	Analysis on "HOLD"	PAH (8270CSIM) , Dioxin (1613B), Metals (NPDES protocol), MBAS, Cyanide (photo-exposure prior to analysis), Ammonia and Sulfate. Standard TAT.
WL007	WL011	PCC-1-Ash	10/07/05	Analysis on "HOLD"	PAH (8270CSIM) , Dioxin (1613B), Metals (NPDES protocol), MBAS, Cyanide (photo-exposure prior to analysis), Ammonia and Sulfate. Standard TAT.

The reason for these changes:

*Incorrectly marked on COC form**Lack of sample volume**MWH office personnel require this change**Other: Containers mislabeled*☒

Thank you



Chain of Custody

Control Number: COC WL 007

Date 10, 7, 05 Page 1 of 1

Sample Disposal Instructions: Laboratory Disposal

Shipment Method: Carrier

Comment:

Bill To:	Lowel Moffit
Company:	MWH
Address:	300 N. Lake Avenue, Suite 1200 Pasadena, CA, 91101

QC Level:

ITAT.

Preservatives

HCL, pH<2

4°C
HCL pH<2

4°C

4°C

4°C

4°C

H₂SO₄, pH

4°C

EDNH 04-2

4°C

4°C

4°C

40

34C

4°C

4°C

4°C

100

Abstract

[illegible]

1

1000

.....

Sample Data

Matrix

		Matrix				
		Soil	Water	Product	Ash	
1		X				
2		X				
3		X				
4		X				
5		X				
6		X				
7		X				
8		X				
9		X				
10		X				
11		X				
12		X				
13		X				
14		X				
15		X				
16		X				
17		X				
18		X				
19		X				
20		X				
21		X				
22		X				
23		X				
24		X				
25		X				
26		X				
27		X				
28		X				
29		X				
30		X				
31		X				
32		X				
33		X				
34		X				
35		X				
36		X				
37		X				
38		X				
39		X				
40		X				
41		X				
42		X				
43		X				
44		X				
45		X				
46		X				
47		X				
48		X				
49		X				
50		X				
51		X				
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67		X				
68		X				
69		X				
70		X				
71		X				
72		X				
73		X				
74		X				
75		X				
76		X				
77		X				
78		X				
79		X				
80		X				
81		X				
82		X				
83		X				
84		X				
85		X				
86		X				
87		X				
88						

[illegible]

For Lab Use	
Lab Number: Does COC match samples: Y or N Broken container: Y or N Received within holding time: Y or N COC Seal Intact: Y or N Any other problems: Y or N If any YES, MWH contacted: Y or N Date Contacted: / / Temperature °C	Comments: <p>PLEASE USE NIDES METALS LIST + HOMOGENIZE SAMPLES PRIOR TO ANALYSIS</p> <p>10-12-05 EMS ANALYZE SAMPLES IN WL008, WL009, WL010, WL011 -TAKEN OFF "HOLD"-</p>

White Copy:Original Yellow:Lab Copy Pink:Field Copy



ADDITIONAL ANALYSIS REQUEST FORM

Today's Date: 10/17 Del Mar Analytical Project Manager: MC

Request via: ☒ telephone ☐ chain of custody form ☐ fax transmission ☒ E-mail ☐ other

Client: The Boeing Company - SSFL Contact: Paul Costa

Project: Boeing SSFL - NPDES (ash)

Date Sampled: 10/10/05 Date Received: 10/10/05

Status: ☐ in progress ☐ completed ☐ received today ☐ received yesterday ☒ on hold ☐ other

**SAMPLE
NUMBER**

**SAMPLE
DESCRIPTION**

**ANALYSIS
REQUESTED**

**SPECIAL
REQUIREMENTS**

Add in to 1020739

1020739-05 WL014
1020739-06 WL015

827051MOUT, 1613-Dioxin,
NPDES metals, MBAS, CN, NH₃, SO₄



- normal TAT, due 10/24 for Dmal analyses
- sample comments = homogenize all containers together, DONT
USE AS MS/MSD

TURNAROUND STATUS: ☐ Same Day ☐ 24hr ☐ 48hr ☐ 3days
☐ 5days ☒ Standard ☐ No Rush Charge

F A X9444 Farnham St., Suite 300
San Diego, California 92123

Date: 10/17/05

Tel: 858-751-1200
Fax: 858-751-1201

To: Michele Harper / Del Mar Analytical

Fax No: 949-261-1228

From: Anca Brasoveanu

sign: 

Subject: Chain-of-Custody Form Analytical Request Change

No. of Pages: 2
(including cover)**Per Request:**

Please make the changes listed below to the chain-of-custody analytical request form. Include this form with the final deliverables for these samples.

COC No.	EPA Sample ID(s)	MWH Sample ID(s)	Date Collected	Originally Requested Analyses	Change(s) and Method(s) Now Requested
WL007	WL014	WC-1-Ash	10/07/05 10/10/05 MH 10/17/05	Analyses on "HOLD"	Take off "HOLD". PAH(8270CSIM), Dioxin(1613B), Metals(NPDES protocol), MBAS, Cyanide, Ammonia and Sulfate. Standard TAT.
WL007	WL015	WC-1-Soil	10/07/05 10/10/05 MH 10/17/05	Analyses on "HOLD"	Take off "HOLD". PAH(8270CSIM), Dioxin(1625B), Metals(NPDES protocol), MBAS, Cyanide, Ammonia and Sulfate. Standard TAT.

The reason for these changes:

*Incorrectly marked on COC form**Lack of sample volume**MWH office personnel require this change**Other: Containers mislabeled*☒

Thank you

300 N. Lake Avenue, Suite 1200
Pasadena, CA 91101
(626) 568-6600

Chain of Custody

Project: SibFL Post-Tensioning Force

Control Number: COC WL 887

Date 10 / 7 / 05 Page 1 of 1

Project Manager: Dixie Hambrick
Project Name: Boeing SSFL
Project Number: 1590360

Bill To:	Lowell Moffitt
Company:	MWH
Address:	300 N. Lake Avenue, Suite 1200 Pasadena, CA, 91101

Sample Disposal Instructions: Laboratory Disposal
Shipment Method: *Cooler*
Comment:

Cooler No.	
QC Level:	TAT:

[illegible]

Sample Data							Matrix					
Sample ID	Description (for MWH use only)	SWMU	Depth	Date Collected	Time Collected	ULS Number	Lab ID	Soil	Water	Product	Ash	
WL007	CRP-1-Soil	-	8	10/7/05	1215	-		X				
WL008	CF-1-Soil	-	8		1330	-		X				
WL009	CF-1-Ash	-	8		1335	-					X	
WL010	PCC-1-Soil	-	8		1420	-		X				
WL011	PCC-1-Ash	-	8		1425	-				X	X	
WL012	SO-1 SOIL	-	8	10/10/05	1041	-		X				
WL013	SO-1 ASH	-	8		1055	-					X	
WL014	WC-1 ASH	-	8		1145	-				X	X	
WL015	WC-1 SOIL	-	8		1150	-		X				

Sampler's Signature:	Date	Time
Thom J Bo	10/1/05	1700
Relinquished By:	Date	Time
Thom J Bo	10/1/05	1625
Received By:	Date	Time
BOB BOONE	10/1/05	1625
Relinquished By:	Date	Time
BOB BOONE	10/1/05	1820
Received By (LAB):	Date	Time

For Lab Use	
Lab Number:	<p>Comments:</p> <p>please use NPDES metals list + homogenize samples prior to analysis</p> <p>10-12-05 EMS ANALYZE SAMPLES OF WLB03, WLB09, WLB10, WLB11 -TAKEN OFF "HOLD"-</p>
Does COC match samples: Y or N	
Broken container: Y or N	
Received within holding time: Y or N	
COC Seal intact: Y or N	
Any other problems: Y or N	
If any YES, MWH contacted: Y or N	
Date Contacted: ___/___/___	
Temperature °C	

White Copy:Original Yellow:Lab Copy Pink:Field Copy



ADDITIONAL ANALYSIS REQUEST FORM

Today's Date: 10/18 Del Mar Analytical Project Manager: MH

Request via: ☐ telephone ☐ chain of custody form ☐ fax transmission ☒ E-mail ☐ other

Client: The Boeing Company ^{SSFL} Contact: Paul Costa

Project: Boeing SSFL - NPDES (ash)

Date Sampled: see below Date Received: 10/17/05

Status: ☐ in progress ☐ completed ☐ received today ☐ received yesterday ☒ on hold ☐ other

**SAMPLE
NUMBER**

**SAMPLE
DESCRIPTION**

**ANALYSIS
REQUESTED**

**SPECIAL
REQUIREMENTS**

Add in to 10J0739

<u>10J0739-07</u>	<u>WLO07</u>	<u>827051M-out, 1613-Dioxin, NPDES metals,</u>
<u>10J0739-08</u>	<u>WLO12</u>	<u>MBAS, CN, NH3, SO4</u>
<u>10J0739-09</u>	<u>WLO13</u>	<u>↓</u>

- normal TAT, due 10/24 for DMAL analyses
- sample comments= homogenize all containers together,
DONT USE AS MS/MSD

TURNAROUND STATUS: ☐ Same Day ☐ 24hr ☐ 48hr ☐ 3days
☐ 5days ☒ Standard ☐ No Rush Charge

(V3)

F A X**MWH**9444 Farnham St., Suite 300
San Diego, California 92123

Date: 10/18/05

Tel: 858-751-1200
Fax: 858-751-1201

To: Michele Harper / Del Mar Analytical

Fax No:

949-261-1228

From: Anca Brasoveanu

sign: 

Subject: Chain-of-Custody Form Analytical Request Change

No. of Pages: 2
(including cover)**Per Request:**

Please make the changes listed below to the chain-of-custody analytical request form. Include this form with the final deliverables for these samples.

COC No.	EPA Sample ID(s)	MWH Sample ID(s)	Date Collected	Originally Requested Analyses	Change(s) and Method(s) Now Requested
WL007	WL007	CRP-1-Soil	10/07/05	Analyses on "HOLD"	Take off "HOLD". Standard TAT. PAH by 8270SIM, Dioxin by 1613B, RPT list Metals, Cyanide, Sulfate, Surfactants and Ammonia.
WL007	WL012	SC-1-Soil	10/10/05	Analyses on "HOLD"	Take off "HOLD". Standard TAT. PAH by 8270SIM, Dioxin by 1613B, RPT list Metals, Cyanide, Sulfate, Surfactants and Ammonia.
WL007	WL013	SC-1-Ash	10/10/05	Analyses on "HOLD".	Take off "HOLD". Standard TAT. PAH by 8270SIM, Dioxin by 1613B, RPT list Metals, Cyanide, Sulfate, Surfactants and Ammonia.
WL007	WL014	WC-1-Ash	10/10/05	Analyses on "HOLD".	Take off "HOLD". Standard TAT. PAH by 8270SIM, Dioxin by 1613B, RPT list Metals, Cyanide, Sulfate, Surfactants and Ammonia.
WL007	WL015	WC-1-Soil	10/10/05	Analyses on "HOLD".	Take off "HOLD". Standard TAT. PAH by 8270SIM, Dioxin by 1613B, RPT list Metals, Cyanide, Sulfate, Surfactants and Ammonia.

The reason for these changes:

Incorrectly marked on COC form

Lack of sample volume

MWH office personnel require this change

Other: Containers mislabeled

X

