APPENDIX G

Section 28

Outfall 010, BMP Effectiveness, January 24, 2009 Test America Analytical Laboratory Report



LABORATORY REPORT

Prepared For: MWH-Pasadena/Boeing Project: BMP Effectiveness

618 Michillinda Avenue, Suite 200 Monitoring Program

Arcadia, CA 91007

Attention: Bronwyn Kelly
Sampled: 01/24/09
Received: 01/26/09

Issued: 02/04/09 15:56

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
ISA2192-01	010 EFF-1	Water
ISA2192-02	010 EFF-2	Water
ISA2192-03	010 EFF-3	Water
ISA2192-04	010 EFF-4	Water
ISA2192-05	010 EFF-5	Water
ISA2192-06	010 EFF-6	Water

Reviewed By:

TestAmerica Irvine

Joseph Dock

Joseph Doak Project Manager



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MWH-Pasadena/Boeing Project ID: BMP Effectiveness

618 Michillinda Avenue, Suite 200 Monitoring Program Sampled: 01/24/09

Arcadia, CA 91007 Report Number: ISA2192 Received: 01/26/09

Attention: Bronwyn Kelly

INORGANICS

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Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2192-01 (010 EFF-1 - W Reporting Units: g/cc	ater)								
Density	Displacement	9B03067	N/A	NA	0.99	1	02/03/09	02/03/09	
Sample ID: ISA2192-02 (010 EFF-2 - W Reporting Units: g/cc	ater)								
Density	Displacement	9B03067	N/A	NA	0.99	1	02/03/09	02/03/09	
Sample ID: ISA2192-03 (010 EFF-3 - W Reporting Units: g/cc									
Density	Displacement	9B03067	N/A	NA	0.99	1	02/03/09	02/03/09	
Sample ID: ISA2192-04 (010 EFF-4 - W Reporting Units: g/cc		000007	37/4	27.4	4.0		02/02/00	02/02/00	
Density	Displacement	9B03067	N/A	NA	1.0	1	02/03/09	02/03/09	
Sample ID: ISA2192-05 (010 EFF-5 - W Reporting Units: g/cc									
Density	Displacement	9B03067	N/A	NA	1.0	1	02/03/09	02/03/09	
Sample ID: ISA2192-06 (010 EFF-6 - W Reporting Units: g/cc	ater)								
Density	Displacement	9B03067	N/A	NA	1.0	1	02/03/09	02/03/09	
Sample ID: ISA2192-01 (010 EFF-1 - W Reporting Units: mg/l	ater)								
Sediment	ASTM D3977	9B03143	10	10	ND	1	02/03/09	02/03/09	
Sample ID: ISA2192-02 (010 EFF-2 - W Reporting Units: mg/l	ater)								
Sediment	ASTM D3977	9B03143	10	10	ND	1	02/03/09	02/03/09	
Sample ID: ISA2192-03 (010 EFF-3 - W Reporting Units: mg/l	ater)								
Sediment	ASTM D3977	9B03143	10	10	ND	1	02/03/09	02/03/09	
Sample ID: ISA2192-04 (010 EFF-4 - W Reporting Units: mg/l	ater)								
Sediment	ASTM D3977	9B03143	10	10	ND	1	02/03/09	02/03/09	

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INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result		Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2192-05 (010 EFF-5 - Wa Reporting Units: mg/l Sediment	ter) ASTM D3977	9B03143	10	10	ND	1	02/03/09	02/03/09	
Sample ID: ISA2192-06 (010 EFF-6 - Wa Reporting Units: mg/l Sediment	ter) ASTM D3977	9B03143	10	10	ND	1	02/03/09	02/03/09	



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Arcadia, CA 91007 Attention: Bronwyn Kelly Project ID: BMP Effectiveness

Monitoring Program

Report Number: ISA2192

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Received: 01/26/09

METHOD BLANK/QC DATA

INORGANICS

		Reporting			Spike	Source		%REC		RPD	Data
Analyte	Result	Limit	MDL	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifiers
Batch: 9B03067 Extracted: 02/03/0	9_										
Duplicate Analyzed: 02/03/2009 (9B030	67-DUP1)				Sou	rce: ISA2	192-01				
Density	0.986	NA	N/A	g/cc		0.987			0	20	



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MWH-Pasadena/Boeing

DATA QUALIFIERS AND DEFINITIONS

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference



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Certification Summary

TestAmerica Irvine

MethodMatrixNelacCaliforniaASTM D3977WaterDisplacementWater

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Irvine

Test America Version 12/20/07	erica 🔻	/ersion 12/20/07	2	CHAIN OF CUSTODY FORM	OF CUS	STOD	Y FOR	Σ	J	1592192	72	Page 1 of 1
Client Name/Address:	'Address:			Project: Boeing BMP	ng BMP				ANA	ANALYSIS REQUIRED	JIRED	
MWH-Arcadia	ıdia			Effectiveness Monitoring	s Monitorin _e	מ					i	
618 Michillinda Avenue, Suite 200 Arcadia, CA 91007	a Avenue, 1007	Suite 200		Program			-MT8			,	Field readings:	dings:
Test America Contact: Joseph Doak	Contact: J	loseph Doak										Ç
Project Manager: Bronwyn Kelly	ger: Bro	nwyn Kelly		Phone Number:	er:						PH = NA	
Sampler: R Banaga	sanaga			(626) 568-6515 (626) 568-6515	- 2		Sentration Sentration 77-1997)				Time of r	Time of readings = NA
Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservative	Bottle #	Couc		,			
010 EFF-1	W	500 mL Poly	-	1/24/09 - 0925	None	-	×					
010 EFF-2	W	500 mL Poly	- ,	1/24/09 - 1025	None	2	×					
010 EFF-3	M M	500 mL Poly		1/24/09 – 1125	None	m <	× ×					
010 EFF-5		500 mL Poly		1/24/09 – 1325	None	r ro	< ×					
010 EFF-6	W	500 mL Poly	-	1/24/09 - 1425	None	9	×					
												A A
									•			12000
												(22)
Relinquished By	/	- 3 5-09 Date/Time:	J Jate/Tirr	.e:	Received BV			Date/Time:				
13				1635		<		1.2503	1635		Turn around 24 Hours	Turn around Time: (check) 24 Hours 5 Days
Relinquished By			Date/Time:		Received By			Date/Time:			48 Hours	10 Days
The 2		(250)		1235			P		rec frictlye	196	72 Hours	Normal X
Relinquished B		1	Date/Time:	.e:	Received By			Date/Time:			Sample Inte	Sample Integrity: (check) Intact On Ice: +-C
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