

0062690

SAF-B00-004
Industrial Hygiene Sampling – Airborne
FINAL DATA

E:MAIL RESULTS TO:

Denise Pitts

N/A
INITIAL/DATE

COMPLETE **ORIGINAL** OF DATA PACKAGE TO:

Denise Pitts

X2-09

VP 8.3-04/
INITIAL/DATE

COMMENTS: (PLEASE INCLUDE THE FOLLOWING ON THE FAX COVER SHEET)

SDG

20040515

SAF-B00-004

Rad only ☒ Chem only Rad & Chem

☒ Complete

Partial

100N/1300 Emergency Dump Tank

RECEIVED
SEP 13 2004
EDMC

WSCF ANALYTICAL LABORATORY REPORT

Asbestos - Fiber Count
for

Bechtel Hanford, Inc.
MSIN: H9-02
Richland, WA 99352

Attention: J. Kessner MSIN: H9-02

Survey ID

Data Validator

MK Hamilton

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Group#: 20040515
Report Date 13-apr-2004

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B00-004

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Fluor Hanford, Inc.
MSIN: S3-28
Richland, WA 99352

Phone 373-7403



WSCF

ANALYTICAL LABORATORY REPORT

Attention:

J. Kessner MSIN: H9-02

Bechtel Hanford, Inc.

Group #: 20040515

Sample #	Client ID	Test Performed	Matrix	Reported Air Vol.(L)	Fibers/ RG Field	RG Result	Units	RDL	Analyst	Sampled	Received	Analyzed
W04I001647	J016P3	Airborne Fiber Conc.	FILTER	N/A	< RDL	BLANK	fibers/cm3	3 fibers	mkg	03/25/04	03/29/04	03/30/04
W04I001648	J016P4	Airborne Fiber Conc.	FILTER	N/A	< RDL	BLANK	fibers/cm3	3 fibers	mkg	03/25/04	03/29/04	03/30/04
W04I001649	J016P5	Airborne Fiber Conc.	FILTER	755	N/A	VOID	fibers/cm3	3 fibers	mkg	03/25/04	03/29/04	03/30/04
W04I001650	J017H5	Airborne Fiber Conc.	FILTER	922	N/A	VOID	fibers/cm3	3 fibers	mkg	03/25/04	03/29/04	03/30/04
W04I001651	J017J3	Airborne Fiber Conc.	FILTER	1165	0.05	< 0.01	fibers/cm3	3 fibers	mkg	03/25/04	03/29/04	03/30/04
W04I001652	J017H8	Airborne Fiber Conc.	FILTER	1773	0.08	< 0.005	fibers/cm3	3 fibers	mkg	03/25/04	03/29/04	03/30/04
W04I001653	J017H6	Airborne Fiber Conc.	FILTER	2715	N/A	VOID	fibers/cm3	3 fibers	mkg	03/25/04	03/29/04	03/30/04
W04I001654	J017J4	Airborne Fiber Conc.	FILTER	1663	0.07	< 0.005	fibers/cm3	3 fibers	mkg	03/25/04	03/29/04	03/30/04
W04I001655	J017J0	Airborne Fiber Conc.	FILTER	1673	N/A	VOID	fibers/cm3	3 fibers	mkg	03/25/04	03/29/04	03/30/04
W04I001656	J017H7	Airborne Fiber Conc.	FILTER	2724	N/A	VOID	fibers/cm3	3 fibers	mkg	03/25/04	03/29/04	03/30/04
W04I001657	J017J5	Airborne Fiber Conc.	FILTER	N/A	< RDL	BLANK	fibers/cm3	3 fibers	mkg	03/26/04	03/29/04	03/30/04
W04I001658	J017J6	Airborne Fiber Conc.	FILTER	N/A	< RDL	BLANK	fibers/cm3	3 fibers	mkg	03/26/04	03/29/04	03/30/04
W04I001659	J017J7	Airborne Fiber Conc.	FILTER	1604	< RDL	< 0.005	fibers/cm3	3 fibers	mkg	03/26/04	03/29/04	03/30/04

The quality control data for calendar year 2004 is as follows:

RDL=Reporting Detection Limit
RG = Result Range

Method LA-519-402 which was used is based on the approved NIOSH Analytical Method 7400, Rev. 4, Aug 1994.
The method does not distinguish between asbestos and non-asbestos fibers but uses 400-power phase contrast microscopy to count all particles with an overall length exceeding 5 microns and a length-to-width ratio of 3:1 or greater.
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* - Indicates results that have NOT been validated.

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Fibers/Field	Sr value
<= 0.03	1.00
>0.03 - 0.20	0.26
>0.20 - 0.50	0.20
>0.50 - 1.0	0.17
>1.0	0.14

WSCF

ANALYTICAL LABORATORY REPORT

Attention: J. Kessner MSIN: H9-02 Bechtel Hanford, Inc. Group #: 20040515

Sample #	Client ID	Test Performed	Matrix	Reported Air Vol.(L)	Fibers/ RG Field	RG Result	Units	RDL	Analyst	Sampled	Received	Analyzed
W04I001660	J017K5	Airborne Fiber Conc.	FILTER	736	< RDL	< 0.01	fibers/cm3	3 fibers	mkg	03/26/04	03/29/04	03/30/04
W04I001661	J017J9	Airborne Fiber Conc.	FILTER	1612	0.10	< 0.005	fibers/cm3	3 fibers	mkg	03/26/04	03/29/04	03/30/04
W04I001662	J017K0	Airborne Fiber Conc.	FILTER	1618	0.06	< 0.005	fibers/cm3	3 fibers	mkg	03/26/04	03/29/04	03/30/04
W04I001663	J017K1	Airborne Fiber Conc.	FILTER	764	< RDL	< 0.01	fibers/cm3	3 fibers	mkg	03/26/04	03/29/04	03/30/04
W04I001664	J017K2	Airborne Fiber Conc.	FILTER	742	< RDL	< 0.01	fibers/cm3	3 fibers	mkg	03/26/04	03/29/04	03/30/04
W04I001665	J017K3	Airborne Fiber Conc.	FILTER	759	< RDL	< 0.01	fibers/cm3	3 fibers	mkg	03/26/04	03/29/04	03/30/04
W04I001666	J017K4	Airborne Fiber Conc.	FILTER	768	0.03	< 0.01	fibers/cm3	3 fibers	mkg	03/26/04	03/29/04	03/30/04

RDL=Reporting Detection Limit
RG = Result Range

Method LA-519-402 which was used is based on the approved NIOSH Analytical Method 7400, Rev. 4, Aug 1994.
The method does not distinguish between asbestos and non-asbestos fibers but uses 400-power phase contrast microscopy to count all particles with an overall length exceeding 5 microns and a length-to-width ratio of 3:1 or greater.
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* - Indicates results that have NOT been validated.
w_0007/rev.6.3

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The quality control data for calendar year 2004 is as follows:

Fibers/Field	Sr value
<= 0.03	1.00
>0.03 - 0.20	0.26
>0.20 - 0.50	0.20
>0.50 - 1.0	0.17
>1.0	0.14

WSCF

ANALYTICAL COMMENT REPORT

Attention: J. Kessner MSIN: H9-02

Group #: 20040515

Sample #	Client ID	Lab Area	Test	Comment
		VALGROUP		Results have not been corrected for lab or field blanks unless otherwise noted in the Analytical Comment Report. Validated 4/13/04 by MK Hamilton, IH QA Coordinator.
W04I001649	J016P5	TESTDATA	Airborne	SAMPLE VOID DUE TO PARTICULATE OVERLOAD.
W04I001650	J017H5	TESTDATA	Airborne	SAMPLE VOID DUE TO PARTICULATE OVERLOAD.
W04I001653	J017H6	TESTDATA	Airborne	SAMPLE VOID DUE TO PARTICULATE OVERLOAD.
W04I001655	J017J0	TESTDATA	Airborne	SAMPLE VOID DUE TO PARTICULATE OVERLOAD.
W04I001656	J017H7	TESTDATA	Airborne	SAMPLE VOID DUE TO PARTICULATE OVERLOAD.
W04I001666	J017K4	LOGSAMP		SAMPLES ACCEPTABLE FOR RECEIPT. REC'D BY SD BOLLING 3/29/04 AND LOGGED BY MK GRANT 3/30/04. MEDIA: 0.8u 25 MM MCE FILTERS

Lab Areas: VALGROUP - Group Validation
LOGSAMP - Login for Sample

VALTEST - Test Validation
LOGTEST - Login for Tests

TESTDATA - Test Data Entry

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20040 575

Bechtel Hanford, Inc.		ERC/INDUSTRIAL HYGIENE CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST									
Collector: <i>Mark Craston</i>	Company Contact Henry W. Ruby		Telephone No. 373-5600		Project Coordinator Joan H. Kessner			Data Turnaround <i>24 hr</i>			
Payroll #: <i>73450</i>	Sampling Location <i>100N//1304N Emergency Dump Tank</i>		SPECIAL INSTRUCTIONS All relevant COAs must be provided: <i>R1304N5452</i>			SAF No. B00-004; B00-005					
Type of Sample: <i>Area, Asbestos</i>			ANALYSIS METHOD (SPECIFIC): <i>NIOSH 7400 (Asbestos)</i>			Method of Shipment <i>Hand Deliver</i>					
Shipped To: <i>WSCF</i>						Bill of Lading/Air Bill No. <i>N/A</i>					
POSSIBLE SAMPLE HAZARD/REMARKS <i>Asbestos</i>	MATRIX A - AIR WI - WIPE X - OTHER		Preservation (ie., cooling required, etc.)		No	No					
Special Handling and/or Storage <i>N/A</i>					Asbestos Airborne	Lead Airborne					
SAMPLE ANALYSIS											
SAMPLE NO.	MATRIX	SAMPLE DATE	VOLUME (L)	Comments							
<i>1647 J016P3</i>	<i>A</i>	<i>3-25-04</i>	<i>Blank</i>	<i>Blank</i>	<i>X</i>						
<i>1648 J016P4</i>	<i>A</i>	<i>3-25-04</i>	<i>Blank</i>	<i>Blank</i>	<i>X</i>						
<i>1649 J016P5</i>	<i>A</i>	<i>3-25-04</i>	<i>755</i>	<i>Area</i>	<i>X</i>						
<i>1650 J017H5</i>	<i>A</i>	<i>3-25-04</i>	<i>922</i>	<i>Area</i>	<i>X</i>						
<i>1651 J017J3</i>	<i>A</i>	<i>3-25-04</i>	<i>1165</i>	<i>Area</i>	<i>X</i>						
<i>1652 J017H8</i>	<i>A</i>	<i>3-25-04</i>	<i>1773</i>	<i>Area</i>	<i>X</i>						
<i>1653 J017H6</i> <i>J017J2</i>	<i>A</i>	<i>3-25-04</i>	<i>2715</i>	<i>Area</i>	<i>X</i>						
<i>1654 J017J4</i>	<i>A</i>	<i>3-25-04</i>	<i>1663</i>	<i>Area</i>	<i>X</i>						
<i>1655 J017J0</i>	<i>A</i>	<i>3-25-04</i>	<i>1673</i>	<i>Area</i>	<i>X</i>						
<i>1656 J017H7</i> <i>J017J1</i>	<i>A</i>	<i>3-25-04</i>	<i>2724</i>	<i>Area</i>	<i>X</i>						

20070575

Bechtel Hanford, Inc.		ERC/INDUSTRIAL HYGIENE CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST									
Collector: <i>Mark Cranston</i>	Company Contact Henry W. Ruby		Telephone No. 373-5600		Project Coordinator Joan H. Kessner			Data Turnaround <i>24 Hr</i>			
Payroll #: <i>73450</i>	Sampling Location <i>100 N // 1304 N</i>		SPECIAL INSTRUCTIONS All relevant COAs must be provided: <i>R 1304 N 5452</i>			SAF No. B00-004; B00-005			Method of Shipment <i>Hand Deliver</i>		
Type of Sample: <i>Area, Asbestos</i>	Emergency Dump Tank		ANALYSIS METHOD (SPECIFIC): <i>NIOSH 7400</i> <i>(Asbestos)</i>			Bill of Lading/Air Bill No. <i>N/A</i>					
Shipped To: <i>WSCF</i>	POSSIBLE SAMPLE HAZARD/REMARKS <i>Asbestos</i>		MATRIX A - AIR WI - WIPE X - OTHER		Preservation (ie., cooling required, etc.)		No		No		
Special Handling and/or Storage <i>N/A</i>		SAMPLE ANALYSIS		Asbestos Airborne		Lead Airborne					
SAMPLE NO.	MATRIX	SAMPLE DATE	VOLUME (L)	Comments							
<i>1657</i> J017 J5	<i>A</i>	<i>3-26-04</i>	<i>Blank</i>	<i>Blank</i>	<i>X</i>						
<i>1658</i> J017 J6	<i>A</i>	<i>3-26-04</i>	<i>Blank</i>	<i>Blank</i>	<i>X</i>						
<i>1659</i> J017 J7	<i>A</i>	<i>3-26-04</i>	<i>1604</i>	<i>Area</i>	<i>X</i>						
<i>1660</i> J017 K5	<i>A</i>	<i>3-26-04</i>	<i>736</i>	<i>Area</i>	<i>X</i>						
<i>1661</i> J017 J9	<i>A</i>	<i>3-26-04</i>	<i>1612</i>	<i>Area</i>	<i>X</i>						
<i>1662</i> J017 K0	<i>A</i>	<i>3-26-04</i>	<i>1618</i>	<i>Area</i>	<i>X</i>						
<i>1663</i> J017 K1	<i>A</i>	<i>3-26-04</i>	<i>764</i>	<i>Area</i>	<i>X</i>						
<i>1664</i> J017 K2	<i>A</i>	<i>3-26-04</i>	<i>742</i>	<i>Area</i>	<i>X</i>						
<i>1665</i> J017 K3	<i>A</i>	<i>3-26-04</i>	<i>759</i>	<i>Area</i>	<i>X</i>						
<i>1666</i> J017 K4	<i>A</i>	<i>3-26-04</i>	<i>768</i>	<i>Area</i>	<i>X</i>						

ERC/INDUSTRIAL HYGIENE CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			
SIGN / PRINT NAMES / USE MILITARY TIME			
Relinquished By/Store:	DATE / TIME	Received By/Store:	DATE / TIME
Mark Cranston / Mark Cranston	3-25-04 1530	Mo 425 Locked Room #4	3-25-04 1530
Relinquished By/Store:	DATE / TIME	Received By/Store:	DATE / TIME
Duff Wonders / Duff Wonders	3-25-04 1330	SJGALE / Sal	3-29-04 1330
Relinquished By/Store:	DATE / TIME	Received By/Store:	DATE / TIME
ERC SJGALE / Sal	3-29-04 1355	FLUOR SD Bolling / Stacy OBell	3/29/04 1355
Relinquished By/Store:	DATE / TIME	Received By/Store:	DATE / TIME
SD Bolling / Stacy OBell	3/29/04 1405	NZA / Stacy	
Relinquished By/Store:	DATE / TIME	Received By/Store:	DATE / TIME
Analysis		MP / M K Grant	3-3-04 0800
Relinquished By/Store:	DATE / TIME	Received By/Store:	DATE / TIME
		Remaining filter stored at WSCF fiber count lab for at least 3 months, then discarded at trash.	
Relinquished By/Store:	DATE / TIME	Received By/Store:	DATE / TIME
Relinquished By/Store:	DATE / TIME	Received By/Store:	DATE / TIME
Relinquished By/Store:	DATE / TIME	Received By/Store:	DATE / TIME
Relinquished By/Store:	DATE / TIME	Received By/Store:	DATE / TIME
Relinquished By/Store:	DATE / TIME	Received By/Store:	DATE / TIME
LABORATORY SECTION	Received By	Title	DATE / TIME
	SD Bolling / Stacy OBell	IH Tech. Mgr.	3/29/04 1355

REVIEWED BY: _____
PRINT/SIGN NAME

DATE: _____

ERC/INDUSTRIAL HYGIENE CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			
SIGN / PRINT NAMES / USE MILITARY TIME			
Relinquished By/Stored:	DATE / TIME	Received By/Stored:	DATE / TIME
Mark Cranston / Mark Cranston	3-26-04 1530	MO 425/426 Locked Room #4	3-26-04 1530
Relinquished By/Stored:	DATE / TIME	Received By/Stored:	DATE / TIME
Duffin S. W. / Duffin S. W.	3-29-04 / 1330	S JGALE / S JGALE	3-29-04 1330
Relinquished By/Stored:	DATE / TIME	Received By/Stored:	DATE / TIME
S JGALE / S JGALE	3-29-04 1355	FLUOR	
Relinquished By/Stored:	DATE / TIME	Received By/Stored:	DATE / TIME
SD Bolling / SD Bolling	3/29/04 1405	SD Bolling / SD Bolling	3/29/04 1355
Relinquished By/Stored:	DATE / TIME	Received By/Stored:	DATE / TIME
Analysis		NZA / NZA	
Relinquished By/Stored:	DATE / TIME	Received By/Stored:	DATE / TIME
		M. Grant / M. Grant	3-30-04 0800
Relinquished By/Stored:	DATE / TIME	Received By/Stored:	DATE / TIME
		Remaining filter stored at WCCF fiber count lab for at least 3 months then discarded at trash.	
Relinquished By/Stored:	DATE / TIME	Received By/Stored:	DATE / TIME
Relinquished By/Stored:	DATE / TIME	Received By/Stored:	DATE / TIME
Relinquished By/Stored:	DATE / TIME	Received By/Stored:	DATE / TIME
Relinquished By/Stored:	DATE / TIME	Received By/Stored:	DATE / TIME
Relinquished By/Stored:	DATE / TIME	Received By/Stored:	DATE / TIME
LABORATORY SECTION	Received By	Title	DATE / TIME
	SD Bolling / SD Bolling	IH Tech. Mgr.	3/29/04 1355

REVIEWED BY: _____

PRINT/SIGN NAME

DATE: _____