

WORLD TRADE CENTER ES MONITORING DATA
10/3/2001 THROUGH 10/16/2001

STATION TYPE	SAMPLE ID	SAMPLE ZONE	COMMENTS	SAMPLE TYPE	SAMPLE VOLUME	SAMPLE UNITS	BEGIN DATE	END DATE	BEGIN TIME	END TIME	SAMPLE MEDIA	SAMPLE METHOD	SAMPLE COMMENT	ANALYTE	RESULTS	UNIT	MDL	UNIT	RESULTS COMMENT	OSHA PEL	ACTION LEVEL	
ASBESTOS FIELD BLANKS																						
blank	04-BLNKa	NR	field blank	BLANK	NA	NA	10/4/2001	10/4/2001	NA	NA	FILTER	PCM		asbestos	no fibers							
blank	04-BLNKb	NR	field blank	BLANK	NA	NA	10/4/2001	10/4/2001	NA	NA	FILTER	PCM		asbestos	no fibers							
blank	04-BLNKc	NR	field blank	BLANK	NA	NA	10/4/2001	10/4/2001	NA	NA	FILTER	PCM		asbestos	no fibers							
blank	04-BLNKd	NR	field blank	BLANK	NA	NA	10/4/2001	10/4/2001	NA	NA	FILTER	PCM		asbestos	no fibers							
blank	05-BLNKc	NR	field blank	BLANK	NA	NA	10/9/2001	10/9/2001	NA	NA	FILTER	PCM		asbestos	no fibers							
blank	05-BLNKd	NR	field blank	BLANK	NA	NA	10/9/2001	10/9/2001	NA	NA	FILTER	PCM		asbestos	no fibers							
blank	06-BLNKa	NR	field blank	BLANK	NA	NA	10/9/2001	10/9/2001	NA	NA	FILTER	PCM		asbestos	no fibers							
blank	06-BLNKb	NR	field blank	BLANK	NA	NA	10/9/2001	10/9/2001	NA	NA	FILTER	PCM		asbestos	no fibers							
blank	04-BLNKc	BOVIS	field blank	BLANK	NA	NA	10/4/2001	10/4/2001	NA	NA	FILTER	PCM		asbestos	no fibers							
blank	04-BLNKd	BOVIS	field blank	BLANK	NA	NA	10/4/2001	10/4/2001	NA	NA	FILTER	PCM		asbestos	no fibers							
blank	08-BLNKa	NR	field blank	BLANK	NA	NA	10/8/2001	10/8/2001	NA	NA	FILTER	PCM		asbestos	no fibers							
blank	08-BLNKb	NR	field blank	BLANK	NA	NA	10/8/2001	10/8/2001	NA	NA	FILTER	PCM		asbestos	no fibers							
blank	10-BLNKa	NR	field blank	BLANK	NA	NA	10/10/2001	10/10/2001	NR	NR	FILTER	PCM		asbestos					no fibers			
blank	10-BLNKb	NR	field blank	BLANK	NA	NA	10/10/2001	10/10/2001	NR	NR	FILTER	PCM		asbestos					no fibers			
blank	10-13-01	NR	field blank	NA	NA	NA	10/13/2001	10/13/2001	NR	NR	FILTER	PCM		asbestos		f/cc				0.1	0.01	
blank	10-13-02	NR	field blank	NA	NA	NA	10/13/2001	10/13/2001	NR	NR	FILTER	PCM		asbestos		f/cc				0.1	0.01	
blank	01	NR	field blank	NA	NA	NA	10/13/2001	10/14/2001	NR	NR	FILTER	PCM		asbestos		f/cc				0.1	0.01	
blank	02	NR	field blank	NA	NA	NA	10/13/2001	10/14/2001	NR	NR	FILTER	PCM		asbestos		f/cc				0.1	0.01	
MISCELLANEOUS AREA ASBESTOS SAMPLE RESULTS																						
AMEC ASBESTOS BULK SAMPLE RESULTS																						
bulk	03-BULK1	AMEC	debris	GRAB	NA	NA	10/3/2001	10/3/2001	NR	NR	grab	PLM	brown granu fibers	96	%	NR	NA	MINERAL FIBER	>1%ASBESTOS			
bulk	03-BULK2	TURNER	debris	GRAB	NA	NA	10/3/2001	10/3/2001	NR	NR	grab	PLM	brown granu fibers	100	%	NR	NA	MINERAL FIBER	>1% ASBESTOS			
bulk	08-BULK1	AMEC	NW pit near	GRAB	NA	NA	10/8/2001	10/8/2001	NR	NR	grab	PLM	asbestos	38	%			43%fg,21%mf	>1%asbestos			
bulk	08-BULK2	AMEC	NW pit near	GRAB	NA	NA	10/8/2001	10/8/2001	NR	NR	grab	PLM	asbestos	38	%			36%fg,28%mf	>1%asbestos			
bulk	08-BULK3	AMEC	NW pit near	GRAB	NA	NA	10/8/2001	10/8/2001	NR	NR	grab	PLM	asbestos	36	%			41%fg,23%mf	>1%asbestos			
bulk	08-BULK1	AMEC	1-Beam spay	GRAB	NA	NA	10/8/2001	10/8/2001	NR	NR	grab	PLM	asbestos	22	%			61%fg,17%mf	1%			
AMEC ASBESTOS PCM SAMPLE RESULTS																						
personal	03-5497	AMEC		TWIA	740	liters	10/3/2001	10/4/2001	20:29	2:39	FILTER	PCM	H General	asbestos	0.02	f/cc			8-hr TWIA	0.1	0.01	
personal	07-8203	AMEC	cutler on pile	TWIA	653	liters	10/7/2001	10/7/2001	10:35	16:00	FILTER	PCM	Dorsey Slag	asbestos	<0.004	f/cc			8-hr TWIA	0.1	0.01	
personal	07-0599	AMEC	crane operator	TWIA	620	liters	10/7/2001	10/7/2001	10:50	15:48	FILTER	PCM	Scott Mawley	asbestos	0.006	f/cc			8-hr TWIA =	0.1	0.01	
personal	08-abcd	AMEC	crane operator on ground	935.5	liters	10/7/2001	10/8/2001	19:31	3:32	FILTER	PCM	John Dudausk	asbestos					filter overloaded				
personal	08-2059	AMEC	crane operator	TWIA	978.5	liters	10/7/2001	10/8/2001	19:33	3:32	FILTER	PCM	Jane Teichy	asbestos	0.003	f/cc			NA		0.1	0.01
personal	08-wayz	AMEC	bulldozer oper	TWIA	972	liters	10/7/2001	10/8/2001	19:41	3:41	FILTER	PCM	Dan Zeioler	asbestos	<0.003	f/cc					0.1	0.01
personal	08-7855	AMEC	helper on gro	TWIA	1033.6	liters	10/8/2001	10/8/2001	9:24	17:27	FILTER	PCM	Angel Lopez	asbestos	0.007	f/cc					0.1	0.01
personal	08-7019	AMEC	truck driver	TWIA	754.8	liters	10/8/2001	10/8/2001	9:40	15:50	FILTER	PCM	Sleva Einstel	asbestos	0.011	f/cc					0.1	0.01
personal	09-8203	AMEC	torch helper at	TWIA	671.2	liters	10/9/2001	10/9/2001	9:52	15:22	FILTER	PCM	sample void	asbestos	NR							
personal	10-5751	AMEC	crane operator	TWIA	674.7	liters	10/10/2001	10/10/2001	9:22	16:35	FILTER	PCM	Arthur Feiler	asbestos	0.006	f/cc					0.1	0.01
personal	10-9896	AMEC	spotter	TWIA	557.4	liters	10/10/2001	10/10/2001	9:14	13:42	FILTER	PCM	Jose Martize	asbestos	0.007	f/cc			8-hr-TWIA=	0.1	0.01	
personal	10-0487	AMEC	grappeler oper	TWIA	902.3	liters	10/10/2001	10/11/2001	19:45	3:03	FILTER	PCM	Danny Zigler	asbestos	0.01	f/cc			8-hr TWIA=	0.1	0.01	
personal	10-0383	AMEC	grappeler oper	TWIA	879.6	liters	10/10/2001	10/11/2001	20:00	3:07	FILTER	PCM	Dolen Black	asbestos	0.04	f/cc			8-hr TWIA=	0.1	0.01	
personal	11-3355	AMEC	truck driver	TWIA	1008.2	liters	10/11/2001	10/11/2001	9:36	17:49	FILTER	PCM	Paul Merus	asbestos	0.003	f/cc			8-hr TWIA	0.1	0.001	
personal	12-2988	AMEC	cutler on pile	TWIA	834.3	liters	10/12/2001	10/12/2001	8:44	15:30	FILTER	PCM	Teddy Slahik	asbestos							0.1	0.01
personal	14-5278	AMEC	crane operator	TWIA	954.4	liters	10/14/2001	10/15/2001	11:59	4:01	FILTER	PCM	Mark Walsh	asbestos	<0.003	f/cc						
personal	14-1706	AMEC	bulldozer oper	TWIA	959.2	liters	10/14/2001	10/15/2001	20:01	4:03	FILTER	PCM	Andy Scallo	asbestos	<0.003	f/cc						
AMEC ASBESTOS TEM SAMPLE RESULTS																						
personal	09-3231	AMEC	dozer operator	TWIA	871.3	liters	10/9/2001	10/10/2001	19:50	2:55	FILTER	TEM		fibers	11.1	S/cm	11.1	S/cm	chrysotile		70	

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BOVIS ASBESTOS BULK SAMPLE RESULTS																			
BOVIS ASBESTOS PCM SAMPLE RESULTS																			
personal	04-5737	BOVIS	TWA	1006.8	liters	10/4/2001	10/5/2001	20:15	4:25	FILTER	PCM	Willie Backh asbestos	<0.003	f/cc	0	f/cc	8-hr TWA	0.1	0.01
personal	04-9854	BOVIS	grappler oper TWA	870	liters	10/4/2001	10/4/2001	10:30	17:45	FILTER	PCM	Daniel Harne asbestos	0.006	f/cc			8-hr TWA	0.1	0.01
personal	04-9545	BOVIS	grappler oper TWA	911.4	liters	10/4/2001	10/4/2001	10:35	17:49	FILTER	PCM	Andre Sukrai asbestos	0.005	f/cc			8-hr TWA	0.1	0.01
personal	05-95-45	BOVIS	grappler oper TWA	822.2	liters	10/5/2001	10/5/2001	10:45	17:30	FILTER	PCM	Andre Sukrai asbestos	0.003	f/cc			8-hr TWA	0.1	0.01
personal	05-1859	BOVIS	ground operat TWA	NA	liters	10/5/2001	10/5/2001	NA	NA	FILTER	PCM	Maric Aleve asbestos	NA	f/cc			sample lost		
personal	05-8106	BOVIS	excavator ope TWA	752.3	liters	10/5/2001	10/5/2001	11:10	17:35	FILTER	PCM	Andrew Henson	0.006	f/cc			8-hr TWA	0.1	0.01
personal	07-4077	BOVIS	dozer operator TWA	970	liters	10/7/2001	10/8/2001	19:35	3:40	FILTER	PCM	John Doolive asbestos	0.011	f/cc			8-hr TWA	0.1	0.01
personal	08-1341	BOVIS	laborer-groun TWA	970.6	liters	10/7/2001	10/8/2001	19:57	4:00	FILTER	PCM	Steven Regu asbestos	0.006	f/cc			8-hr TWA	0.1	0.01
personal	08-7767	BOVIS	flagger on groi TWA	934.3	liters	10/8/2001	10/8/2001	10:09	17:47	FILTER	PCM	Tyrone Kedd asbestos	0.007	f/cc			8-hr TWA	0.1	0.01
personal	09-2780	BOVIS	cutler on grou TWA	1005	liters	10/9/2001	10/9/2001	9:20	17:40	FILTER	PCM	sample void- asbestos	NR				8-hr TWA		
personal	10-5576	BOVIS	flagger on groi TWA	971.1	liters	10/10/2001	10/10/2001	8:52	17:08	FILTER	PCM	Joseph LaRe asbestos	0.006	f/cc			8-hr TWA	0.1	0.01
personal	10-1341	BOVIS	laborer-groun TWA	862.9	liters	10/10/2001	10/11/2001	20:12	3:15	FILTER	PCM	Maric Nuñez asbestos	0.011	f/cc			8-hr TWA=0.1	0.1	0.01
personal	10-5737	BOVIS	bulldozer oper TWA	945	liters	10/10/2001	10/11/2001	19:50	3:20	FILTER	PCM	Willi Biallard asbestos	<0.003	f/cc			8-hr TWA=<0.1	0.1	0.01
personal	11-3573	BOVIS	operator TWA	954	liters	10/11/2001	10/11/2001	8:48	16:45	FILTER	PCM	Frank Santilli asbestos	<0.003	f/cc			8-hr TWA	0.1	0.001
personal	13-0154	BOVIS	flagger TWA	1011.8	liters	10/13/2001	10/13/2001	8:53	17:09	FILTER	PCM	Laurencio Jos asbestos	0.012	f/cc			8-hr TWA	0.1	0.01
personal	14-1284	BOVIS	spotter on groi TWA	855	liters	10/14/2001	10/14/2001	8:32	15:55	FILTER	PCM	Linrose Woo asbestos	0.012	f/cc			8-hr TWA		
personal	14-7136	BOVIS	crane operator TWA	959.2	liters	10/14/2001	10/15/2001	19:54	3:58	FILTER	PCM	Eddie Garof asbestos	0.016	f/cc			8-hr TWA		
personal	14-5337	BOVIS	grappier on pil TWA	983.3	liters	10/14/2001	10/15/2001	19:56	3:58	FILTER	PCM	Michael Onlie asbestos	0.007	f/cc			8-hr TWA		
area	07-AREA1	BOVIS	next to fire car TWA	1080	liters	10/7/2001	10/8/2001	19:46	3:48	FILTER	PCM	asbestos	0.008	f/cc			8-hr TWA	0.1	0.01
area	07-AREA2	BOVIS	near oxy truck TWA	962	liters	10/7/2001	10/8/2001	19:53	3:54	FILTER	PCM	asbestos	<0.005	f/cc			8-hr TWA	0.1	0.01
BOVIS ASBESTOS TEM SAMPLE RESULTS																			
TULLY ASBESTOS BULK SAMPLE RESULTS																			
TULLY ASBESTOS PCM SAMPLE RESULTS																			
personal	05-6035	TULLY	excavator ope TWA	857.9	liters	10/5/2001	10/6/2001	20:10	4:12	FILTER	PCM	Jim Fleming asbestos	<0.003	f/cc			8-hr TWA	0.1	0.01
personal	06-3351	TULLY	crane operator TWA	978	liters	10/6/2001	10/7/2001	19:36	3:44	FILTER	PCM	Aldo Rivera asbestos	0.009	f/cc			8-hr TWA	0.1	0.01
personal	06-6035	TULLY	bulldozer oper TWA	1006.5	liters	10/6/2001	10/7/2001	19:51	4:01	FILTER	PCM	Tim Fleming asbestos	<0.005	f/cc			8-hr TWA	0.1	0.01
personal	07-0005	TULLY	equipment ope TWA	922	liters	10/7/2001	10/7/2001	10:50	18:07	FILTER	PCM	Joe Novak asbestos	0.007	f/cc			8-hr TWA = 0.1	0.1	0.01
personal	07-8113	TULLY	foreman on pil TWA	1018	liters	10/7/2001	10/7/2001	11:20	18:09	FILTER	PCM	Joseph Mont asbestos	0.006	f/cc			8-hr TWA	0.1	0.01
personal	08-0236	TULLY	loading-helper TWA	984	liters	10/8/2001	10/8/2001	9:30	17:42	FILTER	PCM	Edmundo Fe asbestos	0.006	f/cc			8-hr TWA	0.1	0.01
personal	09-7850	TULLY	dozer operator TWA	891	liters	10/9/2001	10/9/2001	9:40	17:10	FILTER	PCM	Kevin Rodrig asbestos	0.01	f/cc			8-hr TWA	0.1	
personal	10-6554	TULLY	grappier oper TWA	971.1	liters	10/10/2001	10/10/2001	9:44	17:29	FILTER	PCM	Josid Glasco asbestos	0.006	f/cc			8-hr TWA	0.1	0.01
personal	10-9378	TULLY	grappier oper TWA	951	liters	10/10/2001	10/10/2001	9:50	17:25	FILTER	PCM	Paul Arano asbestos	0.003	f/cc			8-hr TWA	0.1	0.01
personal	11-3438	TULLY	excavator ope TWA	902	liters	10/11/2001	10/11/2001	9:30	16:20	FILTER	PCM	Salvatore No asbestos	<0.003	f/cc			8-hr TWA	0.1	0.1
personal	11-3815	TULLY	bulldozer ope TWA	988.3	liters	10/11/2001	10/12/2001	19:41	3:50	FILTER	PCM	Joseph Brow asbestos					0.1	0.1	
personal	11-5096	TULLY	bulldozer ope TWA	955.3	liters	10/11/2001	10/12/2001	19:54	3:40	FILTER	PCM	Petar Liota asbestos					0.1	0.1	
personal	12-3715	TULLY	excavator ope TWA	970	liters	10/12/2001	10/12/2001	8:15	16:20	FILTER	PCM	Thomas Moo asbestos					0.1	0.01	
personal	12-8028	TULLY	flagger TWA	970	liters	10/12/2001	10/12/2001	8:16	16:21	FILTER	PCM	Vincenzo Dill asbestos					0.1	0.01	
personal	12-5221	TULLY	grappier oper TWA	885.6	liters	10/12/2001	10/13/2001	20:20	3:35	FILTER	PCM	Fred Bartz asbestos					0.1	0.01	
personal	12-5627	TULLY	flagger TWA	848	liters	10/12/2001	10/13/2001	20:16	3:20	FILTER	PCM	Mike Ollide asbestos					0.1	0.01	
personal	13-4456	TURNER	grappier oper TWA	857.9	liters	10/13/2001	10/14/2001	20:20	3:30	FILTER	PCM	Arthur S asbestos	<0.003	f/cc			0.1	0.01	
personal	13-0019	TURNER	grappier oper TWA	840.9	liters	10/13/2001	10/14/2001	20:26	3:35	FILTER	PCM	Todd Horak asbestos	<0.003	f/cc			0.1	0.01	
personal	13-9965	TURNER	bulldozer ope TWA	869.6	liters	10/13/2001	10/14/2001	20:10	3:15	FILTER	PCM	Claudio Rodi asbestos	<0.003	f/cc			0.1	0.01	
personal	13-2447	TURNER	bulldozer ope TWA	930.6	liters	10/13/2001	10/14/2001	20:30	3:20	FILTER	PCM	Chris Panare asbestos	overloaded	f/cc			0.1	0.01	
personal	14-4723	TURNER	iron worker on TWA	1007.8	liters	10/14/2001	10/14/2001	8:44	16:58	FILTER	PCM	Rusty Henry asbestos	0.006	f/cc					

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