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ATC/ Liberty Mutual

Industrial Hygiene Measurement Summary
Week of 03/15/02 to 03/22/02

Start Report Period	End Report Period	Analyte Class	# Samples Collected	#of Analysis	OEL	Highest % OEL	Shift Adj. OEL	Highest % of Shift Adj. OEL	Analyte	Job Description	#NQ's	% NQ's	# Less than Half OEL	% Less than Half OEL
03/15/2002	03/22/2002	Diesel Fume	15	15	0.02	581%	0.02	581%	Diesel Exhaust Particulates	laborer by boring machine WTC 6 Lvl B5	2	13%	6	40%
03/15/2002	03/22/2002	Silica	30	60	0.05	296%	0.024	617%	Quartz	Laborer by Boring Machine WTC6; Level B5; V12R	50	83%	54	90%
03/15/2002	03/22/2002	Asbestos	20	20	0.1	32%	0.05	64%	Asbestos	Water Truck in Depression	5	25%	20	100%
03/15/2002	03/22/2002	Metals	12	232	10	8%	10	8%	Total Dust	operator in depression @ 4 WTC	148	64%	232	100%
03/15/2002	03/22/2002	Acids	5	30	1	7%	1	7%	Sulfuric Acid	torch in depression @ 2 WTC	27	90%	30	100%
03/15/2002	03/22/2002	Sulfides	12	12	10	1%	10	1%	Hydrogen Sulfide	spotter BankerTrust work area	10	83%	12	100%
03/15/2002	03/22/2002	Aromatics	2	8	100	0%	87	0%	Xylene	labor @ 6 WTC path tunnel drilling machine	6	75%	8	100%
03/15/2002	03/22/2002	Ozone	5	5		0%		0%	Ozone	N/A	5	100%	5	100%
03/15/2002	03/22/2002	Mercury	8	8		0%		0%	Mercury	N/A	8	100%	8	100%
03/15/2002	03/22/2002	Noise	30	30	90 dBA	200% (95 dBA)	N/A	N/A	Noise	Bobcat operator WTC 6 B5	N/A	N/A	12	40%
03/15/2002	03/22/2002	Carbon Monoxide	32	32	25 TWA 200 Peak	48% TWA 200% Peak	17	60% TWA	Carbon Monoxide	Bobcat operator WTC 6 B2	N/A	N/A	27	84%

CITY_21MC100_002989020

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Date	Location	Sample #	Description	Type	RESULT (mg/m3)	TWA (mg/m3)	% Quartz	%Cristobolite	PEL	SEVERITY
3/3/02	WTC	W8257	EROC: Laborers using jackhammers to break concrete @ top of southern projection above wooden staging platform	P	2.2322	2.2	14	0	0.625	3.57152
3/4/02	TULLY	W8287	WTC-NICHOLSON - Greenwich Wall Helper work on around driller	P	0.6547	0.65	30	0	0.3125	2.09504
3/4/02	TULLY	W8533	WTC-NICHOLSON Greenwich - Vessey building #6 - tie back operation working on and around drill rigs - wet	P	1.9965	2	7.5	0	1.05263	1.896675
3/5/02	TULLY	W8339	TURNER/MAZZOCCHI: Machine operator breaking concrete @ Level B-1; using remote operated jack hammer	P	2.4699	2.5	7.9	0	1.01010	2.445201
3/7/02	TULLY	W8546	TULLY/TURNER - Building 6: Operating robotic equipment to break cement	P	1.0006	1	11	0	0.76923	1.30078
3/8/02	TULLY	W8519	SEMCOR/TURNER LOCATION: Driller drilling holes for tiebacks	P	1.0066	1	9.4	0	0.87719	1.147524
3/8/02	TURNER	W8240	HAYWARD BAKER/TURNER: Drill operator @ B-2 Level	P	2.1597	2.2	9.9	0	0.84034	2.570043
3/17/02	TULLY	W8336	EROC/TULLY, cutting beams & rebar, Greenwick & Liberty St, Tully area	P	6.9289	6.9	0	0	5	1.38578
3/18/02	TULLY	W8218	WTC-TULLY area sample wet drilling, attached to wall	P	0.9053	0.91	42	0	0.22727	3.98332

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NYC-WTC_000342005

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Date	Location	Sample #	Description	Type	RESULT (mg/m3)	TWA (mg/m3)	% Quartz	%Cristobolite	PEL	SEVERITY
3/18/02	TULLY	W8225	TULLY wet core drilling WTC 6 B-3 level, N slurry wall	P	0.3988	0.4	25	0	0.37037	1.07676
3/18/02	TULLY	W8613	TULLY area sample adjacent to core drilling N slurry wall WTC 6 B-4 level	P	1.1461	1.1	20	0	0.45455	2.52142
3/18/02	TULLY	W8617	TULLY jackhammering concrete WTC 6 B-3 level	P	1.382	1.4	12	0	0.71429	1.9348
3/20/02	TULLY	W8476	TULLY-SAFEWAY operating remote hammer, WTC 6 B-5 level	P	0.8191	0.82	21	0	0.43478	1.88393

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