

FROM: S. M. ANDERSON
MASSENA OPERATIONS

TO: C. F. DI MASCIO
PITTSBURGH OFFICE - 6

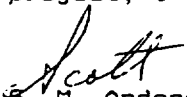
1987 April 24

PLAINTIFF'S
EXHIBIT

AL-1562

RE: INDUSTRIAL HYGIENE SAMPLING

As you requested in your letter of 1987 March 25, I have enclosed a copy of our 1987 industrial hygiene sampling project list and our Industrial Hygiene Exposure Estimates and Sampling Requirements. Both reports were generated using the PC software Reflex. The exposure estimation report is an on going project of developing exposure estimates from old sampling data. This is a long and tedious process and will require the remainder of 1987 to complete. As part of this project, I am backloading exposure data into HMS.


S. M. Anderson

/sma

Attachments

xc: P. I. Woerz

409473 0124

April 24, 1987

INDUSTRIAL ASBESTOS SAMPLING PROJECTS

DEPT	PRIOR	TYPE	SURVEY DESCRIPTION	CONTAMINATE SAMPLED	TARGET QUARTER	COMPLETION DATE
1	H	I	SURVEY OF LEVELS AROUND OF FLN	CARBON MONOXIDE	4	
1	M	U	DEPARTMENT WIDE SURVEY	NOISE	1	
2	H	B	DEPARTMENT WIDE SURVEY	NOISE	1	4/03/87
14	M	U	DEPARTMENT WIDE SURVEY	NOISE	1	01/17/87
22	H	B	DEMOLITION OF FURNACES	RESP. DUST SILICA	1	
22	H	U	ASBESTOS INSULATION REMOVAL	ASBESTOS		
22	H	I	AREA SAMPLING ASBESTOS STOPAGE	ASBESTOS	1	
22	H	I	GUNNITING FURNACES	RESP. DUST SILICA	3	
22	L	I	LAWN MOWING	NOISE	3	
22	M	I	EQUIPMENT CLEANING WITH ME-201	METHYLENE CHLOR PERCHLOROETHYLE	1	
22	M	I	CLEANING VAPOR DEGREASERS	TRICHLOROETHANE	3	
22	M	B	TAP SETTING CASTING PITS	BENZENE XYLENE OTFV ISOPHORONE	4	

H - HIGH
 M - MED
 L - LOW
 I - INITIAL
 B - BASELINE
 U - UPDATE

409473 0125

April 24, 1987

INDUSTRIAL HYGIENE SAMPLING PROJECTS

DEPT	PRIOR	TYPE	SURVEY DESCRIPTION	CONTAMINATE SAMPLED	TARGET QUARTER	COMPLETION DATE
25	H	B	SURVEY OF AREA II NOISE EXPOSURE	NOISE	3	
25	H	B	SURVEY OF AREA I NOISE EXPOSURE	NOISE	3	
72	H	I	REMOVAL OF BRAKES	ASBESTOS	4	
72	M	I	AREA SURVEY OF CENTRAL GARAGE	CARBON MONOXIDE	4	
44	H	B	SURVEY OF AREA II NOISE EXPOSURE	NOISE	3	
44	H	B	SURVEY OF AREA I NOISE EXPOSURE	NOISE	3	
59	H	U	GREEN MILL AREA SURVEY	TOTAL DUST CTPV	1	2/18/87
59	M	U	PITCH CAR UNLOADING	TOTAL DUST CTPV	4	
70	H	I	FURNACE REBUILD	RESP. DUST SILICA	3	
70	M	U	CARBON BAKING	TOTAL DUST CTPV	1	2/24/87
70	M	U	CARBON BAKING	TOTAL DUST CTPV	4	
81	M	U	EXPOSURES IN CARBON AREA	TOTAL DUST CTPV NOISE	4	

H - HIGH I - INITIAL
 M - MED B - BASELINE
 L - LOW U - UPDATE

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April 24, 1987

INDUSTRIAL HYGIENE SAMPLING PROJECT

DEPT	PRIO	TYPE	SURVEY DESCRIPTION	CONTAMINATE SAMPLED	TARGET QUARTER	COMPLETION DATE
81	M	U	EXPOSURES IN POTROOM AREA	TOTAL DUST FLUORIDE NOISE	4	
81	M	U	CRANE CREW	TOTAL DUST FLUORIDE NOISE OTPV	4	
82	M	U	TAPPING	TOTAL DUST FLUORIDES	3	
82	M	U	TAPPING	NOISE	3	
82	M	U	CARBON CHANGING	TOTAL DUST FLUORIDES	3	
82	M	U	POT OPERATION	TOTAL DUST FLUORIDES	3	
82	M	B	EQUIPMENT OPERATION	TOTAL DUST FLUORIDES	3	
82	M	B	EQUIPMENT OPERATION	NOISE	3	
82	M	B	PROBING POTS	TOTAL DUST FLUORIDES	3	
88	H	U	SPENT POTLINING CRUSHER	TOTAL DUST FLUORIDE NOISE	2	1/09/87
88	H	I	SAG CHANGING GREEN MILL	TOTAL DUST OTPV	1	
88	H	I	MIXING CASTABLE	RESPIR. DUST SILICA	2	

U - HIGH
M - MED
L - LOW

I - INITIAL
B - BASELINE
U - UPDATE

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April 24, 1987

INDUSTRIAL HYGIENE SAMPLING PROJECTS

DEPT	PRIOR	TYPE	SURVEY DESCRIPTION	CONTAMINATE SAMPLED	TARGET QUARTER	COMPLETION DATE
88	H	I	CLEANING BASEMENTS	NOISE	3	
88	L	B	ORE CAR UNLOADING	TOTAL DUST	3	
88	L	U	BAG CHANGING AREA	TOTAL DUST FLUORIDE	3	
88	L	I	CLEANING STRAPS	TRICHLOROETHANE	3	
88	M	U	POT RELINING	TOTAL DUST OTPV	4	3-29-87
88	M	U	ANODE CLEANING	TOTAL DUST FLUORIDE NOISE	4	3-12-87
88	M	B	ERIKSSON OPERATION	NOISE	3	
91	L	U	RODDING ROOM	NOISE	4	
95	M	U	EXPOSURES IN CARBON AREA	TOTAL DUST OTPV NOISE	4	
95	M	U	EXPOSURES IN POTROOM AREA	TOTAL DUST FLUORIDE NOISE	4	
95	M	U	CRANE CREW	TOTAL DUST FLUORIDE NOISE OTPV	4	

H - HIGH I - INITIAL
M - MED B - BASELINE
L - LOW U - UPDATE

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INDUSTRIAL HYGIENE REPORT
ESTIMATE AND SAMPLE FREQUENCY

DEPARTMENT: JOB CODE: DATE:
JOB DESCRIPTION:
TASK:
LOCATION:

PARAMETER:
#SAMPLES:
1ST SAMPLE: LAST SAMPLE:
 MM/DD/YY MM/DD/YY

GEOMETRIC MEAN:
RANGE MIN. EXPOSURE: MAX. EXPOSURE:
STD:
#SAMPLES EXCEEDING REL:
LTL:
EXPOSURE LIMIT:
TOXICITY: (LOW OR HIGH)
#EMPLOYEES EXPOSED:
FREQUENCY OF EXPOSURE:
SAMPLING FREQUENCY:
 MONTHS

SAMPLE SIZE:
BASELINE ADEQUATE: (YES OR NO)

FEET:
HEAD:
FEET: HEAD, EAR, BODY, HAND, FACE

COMMENTS:

INDUSTRIAL HAZARDS EXPOSURE - NOISE

DEPT	JOB DESCRIPTION	MATERIAL	TOX. RATING	SAMP. FREQ.	SAMP. SIZE
1	SAWER	NOISE	TOX. RATING	L	
TASK	SAW METAL AT FAMOUS SAW	GM 93.9 REL 95 DBA	SAMP. FREQ.	10	
			SAMP. SIZE	7	
1	CRANE OPERATOR	NOISE	TOX. RATING	L	
TASK	OPERATE OVERHEAD CRANE	GM 87 REL 95 DBA	SAMP. FREQ.	10	
			SAMP. SIZE	7	
1	CRANE OPERATOR	OIL MIST	TOX. RATING	L	
TASK	OPERATE OVERHEAD CRANE	GM 0.75 REL 5.0 MCM	SAMP. FREQ.	0	
			SAMP. SIZE	0	
1	POINTER	NOISE	TOX. RATING	L	
TASK	POINT METAL	GM 90.3 REL 95 DBA	SAMP. FREQ.	10	
			SAMP. SIZE	7	
1	DRAWBENCH OPERATOR	NOISE	TOX. RATING	L	
TASK	OPERATE DRAWBENCH	GM 87 REL 95 DBA	SAMP. FREQ.	10	
			SAMP. SIZE	7	
1	HEATER 2	NOISE	TOX. RATING	L	
TASK	OPERATE CONTINUOUS MILL FEED	GM 45 REL 95 DBA	SAMP. FREQ.	10	
			SAMP. SIZE	7	
1	UP/DOWN SHEAR OPERATOR	NOISE	TOX. RATING	L	
TASK	OPERATE FLYING SHEAR	GM REL 95 DBA	SAMP. FREQ.	10	
			SAMP. SIZE	7	
1	UP/DOWN SHEAR OPERATOR	OIL MIST	TOX. RATING	L	
TASK	OPERATE FLYING SHEAR	GM 0.12 REL 5.0 MCM	SAMP. FREQ.	0	
			SAMP. SIZE	0	
1	MAIN PULPIT OPERATOR	OIL MIST	TOX. RATING	L	
TASK	OPERATE CONTINUOUS MILL	GM 0.17 REL 5.0 MCM	SAMP. FREQ.	0	
			SAMP. SIZE	0	
1	MAIN PULPIT OPERATOR	NOISE	TOX. RATING	L	
TASK	OPERATE CONTINUOUS MILL	GM 86 REL 95 DBA	SAMP. FREQ.	10	
			SAMP. SIZE	7	
1	SHEAR ATTENDANT	NOISE	TOX. RATING	L	
TASK	OPERATE SHEAR	GM 95.7 REL 95 DBA	SAMP. FREQ.	10	
			SAMP. SIZE	7	
1	SHEAR ATTENDANT	OIL MIST	TOX. RATING	L	
TASK	OPERATE SHEAR	GM 1.5 REL 5.0 MCM	SAMP. FREQ.	0	
			SAMP. SIZE	0	
1	ROLL SERVICE	NOISE	TOX. RATING	L	
TASK	OPERATE ROLLING STANDS	GM 95.9 REL 95 DBA	SAMP. FREQ.	10	
			SAMP. SIZE	7	

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INDUSTRIAL HYDROGEN SULFIDE EXPOSURES AND SAMPLING RESULTS

DEPT	JOB DESCRIPTION	MATERIAL	SAMP. TECH. NO.
1	OPERATOR B PC-4	NOISE	TOX RATING
TASK	OPERATE SAW AND CHAMFER BAR	GM 91.7	SAMP. FREQ. 12
		REL 95 DBA	SAMP. SIZE 7
1	OPERATOR A PC-5	NOISE	TOX RATING
TASK	OPERATE PC-5	GM 90.9	SAMP. FREQ. 12
		REL 95 DBA	SAMP. SIZE 7
1	OPERATOR B PC-5	NOISE	TOX RATING
TASK	SAW AND STRETCH METAL	GM 91.2	SAMP. FREQ. 12
		REL 95 DBA	SAMP. SIZE 7
1	OPERATOR A PC-4	NOISE	TOX RATING
TASK	OPERATE LARGE SCHUMAG	GM 94.5	SAMP. FREQ. 12
		REL 95 DBA	SAMP. SIZE 7
1	ASSISTANT OPERATOR PC-4	NOISE	TOX RATING
TASK	PACK BUNDLES OF BARS	GM 91.7	SAMP. FREQ. 12
		REL 95 DBA	SAMP. SIZE 7
1	STRAIGHTENER 3	NOISE	TOX RATING
TASK	STRETCH METAL	GM 99.9	SAMP. FREQ. 12
		REL 95 DBA	SAMP. SIZE 7
1	SAWER 3	NOISE	TOX RATING
TASK	SAW METAL	GM 90.6	SAMP. FREQ. 12
		REL 95 DBA	SAMP. SIZE 7
1	ASSISTANT OPERATOR 3	NOISE	TOX RATING
TASK	ASSIST AT VARIOUS PC'S	GM 99.4	SAMP. FREQ. 12
		REL 95 DBA	SAMP. SIZE 7
2	TRUCKER WEAHER	NOISE	TOX RATING
TASK	OPERATE INDUSTRIAL TRUCKS	GM 96.8	SAMP. FREQ. 12
		REL 95 DBA	SAMP. SIZE 7
2	CRANE OPERATOR	CHROME	TOX RATING
TASK	OPERATE OVERHEAD CRANE	GM 0.01	SAMP. FREQ. 0
		REL 1.0 MGM	SAMP. SIZE 0
2	CRANE OPERATOR	COPPER	TOX RATING
TASK	OPERATE OVERHEAD CRANE	GM 0.01	SAMP. FREQ. 0
		REL 1.0 MGM	SAMP. SIZE 0
2	CRANE OPERATOR	MAGNESIUM	TOX RATING
TASK	OPERATE OVERHEAD CRANE	GM 0.015	SAMP. FREQ. 0
		REL 10.0 MGM	SAMP. SIZE 0
2	CRANE OPERATOR	ZINC	TOX RATING
TASK	OPERATE OVERHEAD CRANE	GM 0.007	SAMP. FREQ. 0
		REL 5.0 MGM	SAMP. SIZE 0

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INDUSTRIAL HYGIENE EXPOSURE DATA FOR THE ROLLING MILL

DEPT	JOB DESCRIPTION	NOISE	TOX. RATING	
1	CONTINUOUS MILL ATTENDANT	NOISE	TOX. RATING	L
TASK	OPERATE ROLLING STANDS	GM 87.1 REL 85 DBA	SAMP. FREQ. SAMP. SIZE	
1	CONTINUOUS MILL ATTENDANT	DIL MIST	TOX. RATING	L
TASK	OPERATE ROLLING STANDS	GM 0.15 REL 5.0 MCM	SAMP. FREQ. SAMP. SIZE	
1	ROLLER 3	NOISE	TOX. RATING	L
TASK	OPERATE ROLLING STANDS	GM 85 REL 85.0 MCM	SAMP. FREQ. SAMP. SIZE	
1	RUN OUT PULPIT OPERATOR	NOISE	TOX. RATING	L
TASK	OPERATE COILERS	GM 84.8 REL 85.0 MCM	SAMP. FREQ. SAMP. SIZE	
1	RUN OUT PULPIT OPERATOR	DIL MIST	TOX. RATING	L
TASK	OPERATE COILERS	GM 0.2 REL 5.0 MCM	SAMP. FREQ. SAMP. SIZE	
1	ENTRY PULPIT OPERATOR	DIL MIST	TOX. RATING	L
TASK	OPERATE ENTRY END OF CONTINU	GM 0.77 REL 5.0 MCM	SAMP. FREQ. SAMP. SIZE	
1	ENTRY PULPIT OPERATOR	NOISE	TOX. RATING	L
TASK	OPERATE ENTRY END OF CONTINU	GM 87.4 REL 85 DBA	SAMP. FREQ. SAMP. SIZE	
1	UNLOADER	NOISE	TOX. RATING	L
TASK	UNLOAD COILS FROM CONTINUOUS	GM 84.7 REL 85 DBA	SAMP. FREQ. SAMP. SIZE	
1	COIL TIER	NOISE	TOX. RATING	L
TASK	OPERATE COIL PRESS	GM 84.5 REL 85 DBA	SAMP. FREQ. SAMP. SIZE	
1	INSPECTOR	NOISE	TOX. RATING	L
TASK	INSPECT REDRAW ROD	GM REL 85 DBA	SAMP. FREQ. SAMP. SIZE	
1	DISTRIBUTOR CRNE OPERATOR	NOISE	TOX. RATING	L
TASK	OPERATE RADIO CONTROL CRANE	GM 90 REL 85 DBA	SAMP. FREQ. 12 SAMP. SIZE 7	
1	SMALL SCHUMAG OPERATOR	NOISE	TOX. RATING	L
TASK	OPERATE SMALL SCHUMAG	GM 89.3 REL 85 DBA	SAMP. FREQ. 12 SAMP. SIZE 7	
1	ASSISTANT SMALL SCHUMAG OPERA	NOISE	TOX. RATING	L
TASK	OPERATE SMALL SCHUMAG	GM 89.7 REL 85 DBA	SAMP. FREQ. 12 SAMP. SIZE 7	

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INDUSTRIAL HYGIENE EXPOSURE CALCULATIONS AND SAMPLING REQUIREMENTS

DEPT	JOB DESCRIPTION	MATERIAL	SAMP. REQUIREMENTS
2	CRANE OPERATOR	BERYLLIUM	TOX RATING -
TASK	OPERATE OVERHEAD CRANE	GM 0.12 PEL 2.0 UGM	SAMP. FREQ. 1 SAMP. SIZE 1
2	UNIT SERVICER 3	NOISE	TOX RATING -
TASK	ASSIST CASTERS	GM 89.6 PEL 85 DBA	SAMP. FREQ. 1 SAMP. SIZE 1
2	CASTER 3	NOISE	TOX RATING -
TASK	OPERATE CASTING PIT	GM 87.4 PEL 85 DBA	SAMP. FREQ. 1 SAMP. SIZE 1
2	SKIM TRUCKER	NOISE	TOX RATING -
TASK	OPERATE INDUSTRIAL TRUCKS	GM PEL 85 DBA	SAMP. FREQ. 1 SAMP. SIZE 1
2	SCALPER OPERATOR	NOISE	TOX RATING -
TASK	SCALP FOUND INGOT	GM 84.8 PEL 85 DBA	SAMP. FREQ. 1 SAMP. SIZE 1
2	TRUCKER CASTER	NOISE	TOX RATING -
TASK	OPERATE INDUSTRIAL TRUCKS	GM 85.1 PEL 85 DBA	SAMP. FREQ. 1 SAMP. SIZE 1
2	FURNACE SERVICER	NOISE	TOX RATING -
TASK	OPERATE FURNACES	GM 88.5 PEL 85 DBA	SAMP. FREQ. 1 SAMP. SIZE 1
16	EXTRUSION DIE ATTENDANT	NOISE	TOX RATING -
TASK	MAINTAIN AND REPLACE EXTRUSION	GM PEL 85 DBA	SAMP. FREQ. 1 SAMP. SIZE 1
16	1500T PRESS OPERATOR	NOISE	TOX RATING -
TASK	OPERATE EXTRUSION PRESS	GM 88.2 PEL 85 DBA	SAMP. FREQ. 1 SAMP. SIZE 1
16	TRUCKER DISPATCHER	NOISE	TOX RATING -
TASK	OPERATE TRUCKS	GM PEL 85 DBA	SAMP. FREQ. 1 SAMP. SIZE 1
16	EXTRUSION PRESS OPERATOR	NOISE	TOX RATING -
TASK	OPERATE 4500T PRESS	GM 87.8 PEL 85 DBA	SAMP. FREQ. 1 SAMP. SIZE 1
16	EXTRUSION PRESS OPERATOR	NOISE	TOX RATING -
TASK	OPERATE 5000T EXTRUSION PRESS	GM 88.8 PEL 85 DBA	SAMP. FREQ. 1 SAMP. SIZE 1
16	ASSISTANT PRESS OPERATOR	NOISE	TOX RATING -
TASK	OPERATE BILLET SCALPER	GM 80.9 PEL 85 DBA	SAMP. FREQ. 1 SAMP. SIZE 1

INDUSTRIAL - STEEL EXPOSURE EVALUATION - ALL SAMPLING - 10/1/74

DEPT	JOB DESCRIPTION	MATERIAL	SAMP. REQUIREMENT
12	ASSISTANT PRESS OPERATOR	NOISE	TOX RATING L
TASK	ASSIST SCOOT PRESS OPERATOR	GM 88.0	SAMP. FREQ. 12
		REL 85 DBA	SAMP. SIZE 3
12	PRESS SAW OPERATOR	NOISE	TOX RATING L
TASK	SAW INSETS INTO BILLETS	GM 90.8	SAMP. FREQ. 12
		REL 85 DBA	SAMP. SIZE 3
12	PRESS SAW OPERATOR	NOISE	TOX RATING L
TASK	SAW INSETS INTO BILLETS	GM 89.4	SAMP. FREQ. 12
		REL 85 DBA	SAMP. SIZE 3
12	INGOT TRUCKER CRANE	NOISE	TOX RATING L
TASK	MATERIAL HANDLING	GM 88.5	SAMP. FREQ. 12
		REL 85 DBA	SAMP. SIZE 3
12	PRODUCT TRUCKER CRANE OPERAT	NOISE	TOX RATING L
TASK	MATERIAL HANDLING	GM 87.6	SAMP. FREQ. 12
		REL 85 DBA	SAMP. SIZE 3
22	MACHINIST	NOISE	TOX RATING L
TASK	OPERATE LATHES, DRILL ETC	GM 80	SAMP. FREQ. 3
		REL 85 DBA	SAMP. SIZE 3
22	GENERAL MECHANIC	NOISE	TOX RATING L
TASK	METAL FABRICATION	GM 82.5	SAMP. FREQ.
		REL 85 DBA	SAMP. SIZE
27	STEAM PLANT OPERATOR	NOISE	TOX RATING L
TASK	OPERATE BOILERS	GM 80.2	SAMP. FREQ. 36
		REL 85 DBA	SAMP. SIZE 3
27	STEAM PLANT TENDER	TOTAL DUST	TOX RATING L
TASK	CLEAN FIRE SIDES OF BOILERS	GM 18.8	SAMP. FREQ. 72
		REL 10.0 MGM	SAMP. SIZE 3
27	STEAM PLANT TENDER	MOCS	TOX RATING 4
TASK	CLEAN FIRE SIDES OF BOILERS	GM 1	SAMP. FREQ. 12
		REL 0.5 MGM	SAMP. SIZE 3
27	ASSISTANT STEAM PLANT OPERAT	NOISE	TOX RATING L
TASK	OPERATE BOILERS	GM 80.2	SAMP. FREQ. 36
		REL 85 DBA	SAMP. SIZE 3
28	OILER	NOISE	TOX RATING L
TASK	ROUTINE LUBRICATION	GM 85.9	SAMP. FREQ. 72
		REL 85 DBA	SAMP. SIZE 3
44	GENERAL ELECTRICIAN	TOTAL DUST	TOX RATING L
TASK	ROUTINE MAINTENANCE	GM 0.9	SAMP. FREQ. 3
		REL 10.0 MGM	SAMP. SIZE 3

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INDUSTRIAL HYGIENE EXPOSURE EVALUATION

DEPT	JOB DESCRIPTION	MATERIAL	TOX. RATING	SAMP. FREQ.	SAMP. SIZE
44	GENERAL ELECTRICIAN	COPPER DUST	TOX. RATING	4	
TASK	ROUTINE MAINTENANCE	GM 0.01	SAMP. FREQ.	1	
		REL 1.0 MM	SAMP. SIZE	0	
44	GENERAL ELECTRICIAN	LEAD DUST	TOX. RATING	4	
TASK	ROUTINE MAINTENANCE	GM 0.001	SAMP. FREQ.	0	
		REL 0.05 MM	SAMP. SIZE	0	
70	CRANE OPERATOR	TOTAL DUST	TOX. RATING	L	
TASK	OPERATE OVERHEAD CRANE	GM 1.9	SAMP. FREQ.	75	
		REL 10.0 MM	SAMP. SIZE	7	
70	CRANE OPERATOR	OTPV (BBF)	TOX. RATING	4	
TASK	OPERATE OVERHEAD CRANE	GM 0.03	SAMP. FREQ.	24	
		REL 0.2 MM	SAMP. SIZE	3	
70	CRANE OPERATOR	NOISE	TOX. RATING	L	
TASK	OPERATE OVERHEAD CRANE	GM 84.5	SAMP. FREQ.	12	
		REL 95 DBA	SAMP. SIZE	3	
83	POTLINE OPERATOR	TOTAL DUST	TOX. RATING	L	
TASK	OPERATE POTS	GM 2.92	SAMP. FREQ.	75	
		REL 10.0 MM	SAMP. SIZE	7	
83	POTLINE OPERATOR	TOTAL FLUORIDE	TOX. RATING	L	
TASK	OPERATE POTS	GM 0.37	SAMP. FREQ.	12	
		REL 2.5 MM	SAMP. SIZE	3	
83	CARBON CHANGER	TOTAL DUST	TOX. RATING	L	
TASK	CHANGE ANODES	GM 15.62	SAMP. FREQ.	12	
		REL 10.0 MM	SAMP. SIZE	3	
83	CARBON CHANGER	TOTAL FLUORIDES	TOX. RATING	L	
TASK	CHANGE ANODES	GM 2.39	SAMP. FREQ.	12	
		REL 2.5 MM	SAMP. SIZE	3	
83	CARBON CHANGER	NOISE	TOX. RATING	L	
TASK	CHANGE ANODES	GM 83.5	SAMP. FREQ.	12	
		REL 95 DBA	SAMP. SIZE	3	
83	TAPPER	NOISE	TOX. RATING	L	
TASK	TAP METAL	GM 97.4	SAMP. FREQ.	12	
		REL 95 DBA	SAMP. SIZE	3	
83	TAPPER	TOTAL FLUORIDES	TOX. RATING	L	
TASK	TAP METAL	GM 0.66	SAMP. FREQ.	24	
		REL 2.5 MM	SAMP. SIZE	3	
83	TAPPER	TOTAL DUST	TOX. RATING	L	
TASK	TAP METAL	GM 4.6	SAMP. FREQ.	75	
		REL 10.0 MM	SAMP. SIZE	3	

ENVIRONMENTAL HEALTH HAZARD ASSESSMENT - 2000-2001

DEPT	JOB DESCRIPTION	MATERIAL	ENVIRONMENTAL
SS	POT REPAIRER	TOTAL DUST	TOX RATING
TASK	RELINE 225 POTS	GM 2.20	SAMP. FREQ. 10
		REL 10.0 MM	SAMP. SIZE 10
SS	POT REPAIRER	OTRY	TOX RATING
TASK	RELINE 225 POTS	GM 1.00	SAMP. FREQ. 10
		REL 10.0 MM	SAMP. SIZE 10
SS	POT REPAIRER	BIPHENYL	TOX RATING
TASK	RELINE 225 POTS	GM 0.01	SAMP. FREQ.
		REL 1.0 MM	SAMP. SIZE
SS	POT REPAIRER	NAPHTHALENES	TOX RATING
TASK	RELINE 225 POTS	GM 0.15	SAMP. FREQ.
		REL 10.0 MM	SAMP. SIZE
SS	POTROOM SERVICES	NOISE	TOX RATING
TASK	OPERATE BATHROOMER	GM 88	SAMP. FREQ. 10
		REL 95 DBA	SAMP. SIZE 10
SS	POTROOM SERVICES	NOISE	TOX RATING
TASK	ERIESON OPERATION	GM 91.7	SAMP. FREQ. 10
		REL 95 DBA	SAMP. SIZE 10

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