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CHQ
August 26, 1965

W. F. Fischer, Manville Plant

Industrial Hygiene Survey
Manville Building Products

Your 1965 Industrial Hygiene Survey has been completed and the results recorded. Your IH Permanent Record Books have been returned.

During the survey, 781 samples were taken at 206 sample stations. Of the 206 stations sampled, 155 were found to be within the allowable threshold limits and 51 above the maximum allowable limits.

The 51 locations above maximum allowable concentrations and requiring control include 16 dust and 35 noise stations as follows.

Station #	Hazard		Survey Result	MAC
S-7H	Asbestos-silica		5.1 MPPCF	5.0 MPPCF
S-13H	"	"	6.1 "	" "
S-15H	"	"	10.0 "	" "
S-16H	"	"	11.9 "	" "
S-26H	"	"	6.5 to 18.0 MPPCF	" "
S-61H	"	"	8.9 to 10.1 "	" "
S-62H	"	"	7.7 MPPCF	" "
S-71H	"	"	6.3 "	" "
S-77H	"	"	5.3 to 14.1 "	" "
S-79H	"	"	5.7 MPPCF	" "
N1-H	Noise		91 decibels	90 decibels
N2-H	"		92-93 decibels	" "
N3-H	"		91-93 "	" "
N4-H	"		91 "	" "
N5-H	"		91 "	" "
N6-H	"		90-93 "	" "
N7-H	"	(borderline)	90 "	" "
N8-H	"	(borderline)	90 "	" "
N9-H	"		90-92 "	" "
N10-H	"		93 "	" "
N11-H	"		92-94 "	" "
N12-H	"	(borderline)	90 "	" "
N1-FH	Noise		93 decibels	90 decibels
N2-FH	"		90-91 "	" "
N3-FH	"		87-103 "	" "
N4-FH	"		92-96 "	" "
N7-FH	"		95-96 "	" "
S-L	Asbestos		3.6 - 5.9 MPPCF	5.0 MPPCF
S-L	"		8.3 - 6.2 "	" "
S-L	"		14.5 MPPCF	" "

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Station #	Hazard	Survey Result	MAC
N1-D	Noise	93-94 decibels	90 decibels
N2-D	"	95 "	" "
N3-D	"	91-102 "	" "
N4-D	"	97-98 "	" "
N5-D	"	96- "	" "
N6-D	"	96-98 "	" "
N7-D	"	95 "	" "
N10-D	"	90-111 "	" "
N1-F	"	91-92 "	" "
N4-F	"	91 "	" "
N5-F	"	93-94 "	" "
N9-F	"	94 "	" "
N11-F	"	93-94 "	" "
N12-F	"	90-92 "	" "
N13-F	"	93-96 "	" "
N14-F	"	92 "	" "
N15-F	"	95 "	" "
N16-F	"	93-94 "	" "
5-C	Silica	8.6 MPPCF	5.0 MPPCF
8-C	Saw dust	78.1 "	50.0 MPPCF
13-C	Asbestos	8.2 "	5.0 MPPCF

I recommend that first priority for correction be given to the 16 dust stations above allowable limits. 15 of these locations involve exposure to asbestos and silica, of which 10 stations are located in Rigid Shingles. Considering the number of disease cases currently existing and the present occupational disease claim mass filing at Manville, it is essential that these dust stations be controlled as quickly as possible.

I am making no recommendation for the wearing of respirators due to the serious Workmen's Compensation problem. Building Products has not yet been included in the mass claim filing procedure. You will not escape it, but, to make respirators mandatory on jobs where they have not been used in the past will stimulate mass claim filing. Instead, every effort should be made to clean up the dust by engineering and housekeeping within the next three months.

By copy of this letter I am requesting that A. B. Marchant consider arranging for emergency funds and assistance from OPED, if required.

Second priority for correction should be given to noise stations of 95 decibels and over involving constant exposure to employees. There is no doubt that these noise levels will cause occupational loss of hearing. We have had three claims filed and expect the fourth very shortly. The latter is one of the employees who formerly spent considerable time in the Rock Wool jet room. Of the three claims filed, one has been tried and adjudicated at 45% binaural loss in both ears, 9% weeks at $60., totaling $3600. This claim was filed by a 67 year old, retired [illegible]/CF employee. As you know, once the word gets around, it will spread like a grass fire.

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In accordance with the program outlined in my letter of 4/22/65, personnel exposed for a normal 8 hour working day or 40 hour working week to constant or extensive intermittent noise hazards of 95 decibels and over, should be provided with and wear ear muffs of the type approved for 4-H use. Ear plugs, cotton and cotton-wax are not adequate protection and should not be used.

We have considered the risk of claim filing as the result of using ear muffs. A thorough indoctrination program by the Industrial Relations Department will minimize the risk. There will be claims filed, but unless we begin preventing the injuries now, the future liability will be tremendous.

C. L. Sheckler

CLS:ks

cc: C. W. Kitz
A. B. Marchant
C. H. Grote - R. Hindmarsh

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