ASBESTOS INTERNATIONAL ASSOCIATION

68 GLOUCESTER PLACE, LONDON WIH 3HL

MEMORANDUM

PLAINTIFF'S EXHIBIT UC-653

TO: Member Associations

AIA/12/REG

FROM: Director General

28 July 1982

Subject: Summary of Main Features of Asbestos/Health Regulations.
AIA Information Memorandum No. 3/80

We enclose a copy of this schedule as amended up to 23rd July 1982.

Will you please replace the copy in your possession with this one.

It would be to everyone's advantage if you would peruse the attached as it affects your country/area and advise this office of any corrections or amendments that may be necessary, so that they can be incorporated into the next issue.

for DIRECTOR GENERAL

cc Governing Council)
Executive Committee) without schedule

Enc:

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ASBESTOS INTERNATIONAL ASSOCIATION

Summary of Main Features of Asbestos/Health Regulations

UNTRY	REGULATIONS	STANDARD CONCENTRATION	REMARKS
stralia	Regulations determined by each State are based on model Asbestos regulations prepared and recommended by the National Health and Medical Research Council of Australia.	2 f/ml(1) - all types	Use of Crocidolite severely restricted all States. Special approval for its us is required. Application of asbestos by spraying requires special permission in all States In all States a medical examination including a chest X-ray has to be (compul sory) provided for each employee within 90 days of commencement of employment and thereafter at intervals of 3 years. In the State of Victoria only (at this stage) employees must refrain from smoking at work.
stria	July 1980	a. 1 f/ml - all types. b. 1.5 mg/m^3(6) airborne dust (dust containing 1-15% asbestos) 0.2 mg/m^3 airborne dust (dust containing 51-100% asbestos) c. 800 particles/cm^3 (dust containing 1-15% asbestos) 200 particles/cm^3 (dust containing 51-100% asbestos) EACH MEASUREMENT ACCORDING TO THESE THREE METHODS	Prohibition of asbestos for: spraying, thermal and acoustic insulation and decorative purposes.

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OUNTRY	REGULATIONS	STANDARD CONCENTRATION	REMARKS
elgium	Royal Decree of 15.12.78 Published 2.2.79. Effective 1.1.80 as a whole and 1.4.79 for particular points.	All types except Crocidolite: 2 f/ml. For pure Crocidolite dust: 0.2 f/ml. For fibre mixtures containing x% of Crocidolite: Total asbestos fibre reading $\times \frac{x}{100}$ must be 0.2. TLV over 4 hour period. Temporary higher concentrations allowed but average over 10 minute period not to exceed 12 f/ml.	Authorisation must be obtained from th Ministry of Labour and Employment for the handling of all types of raw asbes tos fibres and for both manufacturing and handling of products containing nc or almost no binder, such as yarn, rop cloth, packings, felts, millboard, etc No authorisation is needed for the handling of finished products where th asbestos is locked in (such as asbestc cement, vinyl tiles, etc).
anada	Special regulations for mining.	Different standards in each Province varying from: 2 f/ml to 5 f/ml.	
enmark	Ministry of Labour Regulation No. 468 as amended 30.4.81 but effective from 1.1.80.	1 f/ml - (during 8 hours) combined with a ceiling value of 5 f/ml (measuring period of 15 minutes) for all fibres except Crocidolite. 0.1 f/ml (TLV(3) & Ceiling value) for Crocidolite.	Ban on manufacture, import and use of asbestos or asbestos containing materi of all kinds. Following exemptions app until 1.4.82: unbonded packing materia " 1.1.85: asbestos cement material " 1.1.90: commutators until further notice: friction materia bonded packing materials and bearing linings.
inland	July 1977	2 f/ml - all types.	Spray is prohibited. Use of Crocidolit is subject to exemption by Labour Protection Board. With effect from 31.5.7 asbestos waste and products that can cause cancer must be labelled; a/c(4) products are excluded.

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INTRY	REGULATIONS	STANDARD CONCENTRATION	REMARKS
nce	Decree No. 77-949 17.8.77	2 f/ml - all types.	Decree 3492 1.7.77. Spraying of asbestos-base finishings in dwellings is prohibited. Dust sampling must be done every 3 mont if results are below 1 f/ml or every 1 month if above 1 f/ml.
rmany	June 1979	1 f/ml or 0.05 mg/m^3 for all types of asbestos airborne dust.	Directive for dangerous substances 1.10 1. Limitation to 8 hours per day, 40 ho per week, no overtime or piece-work. These limitations, including measuri will not be imposed when authorised and tested tools or other machining devices are used. 2. Asbestos products have to be labelle as products which could cause cancer 3. Proof that substitute products were not available have to be provided.
	As from 1.7.82	The control limit for all applications will be 1 f/ml. Discussions are taking place to introduce an 'Action level' of 1 f/ml. If successful, this will mean that at levels BELOW this figure, overtime and piece-work can be introduced (see 1 under 'Remarks'), also young people and pregnant women may work under these conditions.	2nd Amendment to Industrial Safety Regulation - Dust. Effective 1.10.81 Ban on following applications: Except for spraying this ban becomes effective 1.4.84 and except for AC < 1 g/cm^3 and spraying an escape clause exists exempting all other applications from the ban when auth-orities have certified that fibre released during fabrication is less than 0.5 f/ml. Ban on AC with a density < 1 g/cm^3. No restriction is imposed on AC > 1 g, but the use of the abrasive disc for machining such products is prohibite Since 1.4.73 medical surveillance ha to be provided and smoking is prohib-ited.

nded 15 March 1982
nded 23 July 1982

* (See AIA Information Memorandum No 4/8

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COUNTRY	REGULATIONS	STANDARD CONCENTRATION	REMARKS
Greece	Elot 445 "Methods and measures for the protection of the workers exposed to asbestos fibre at work places."		Draft regulations completed and awaiting public opinion (expiry date 31.8.81).
Ireland	1972	2 f/ml - Chrysotile, Amosite. 0.2 f/ml - Crocidolite.	No prohibitions. Special requirements exist when Crocidolite is involved, ie marking of containers, notification to Inspectors.
	1975	Amendments to widen scope to include all situations in addition to manufacture.	
Israel	Effective 1.1.80.	1 f/ml - all types.	Standards not prescribed by law. Authority given to Labour Inspectorate For work places over 1 f/ml the concentration should be brought to under 1 f in a period of one year.
Italy	July 1979 Nat. Contract Asb & Asb. Cem. Indus. and all Trade Unions.	2 f/ml - for all types. May 1982 The Gov will shortly adopt the ACGIH (USA) limit of: 2 f/ml for Chrysotile 0.5 f/ml for Amosite 0.2 f/ml for Crocidolite	The maximum limit for Crocidolite proposed by National Institute for Accide Prevention (Instituto Nazionale per le Preventioni degli Infortuni - INPI), f an 8 hour exposure, wearing a personal protector is equal to 2 f/ml but witho a personal protector is equal to 0.2 f
Japan	May 1976	5 f/ml - for all types. Standard concentration of 2 f/ml is generally applied to all types except Crocidolite of 0.2 f/ml in accordance with the recommendations (Gyosei Shido).	1976: any product containing 5% or mor asbestos content must have warning lab attached to it.

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UNTRY	REGULATIONS	STANDARD CONCENTRATION	REMARKS
therlands	Asbestos Decree dated: 1.4.77 1.7.78 1.10.78	2 f/ml except Crocidolite. Crocidolite and Spraying prohibited.	April 1980: household products and cons mer goods in which the asbestos fibre i not firmly bound are prohibited. Produc with 'locked in' fibres are allowed (su as a/c flower boxes) but a/c products n be labelled (AIA label accepted). The u of Crocidolite and the manufacture, mar keting and use of Crocidolite containir articles is prohibited. Exemptions may granted by a special tripartite Advisor Committee on Asbestos. Article 4, pro- hibiting the use of asbestos-containing products for thermal and acoustical ins lation, and for preserving or decorativ purposes, is not yet in force.
w Zealand	Effective 31.10.81	1 f/ml for all types except Crocidolite. 0.2 f/ml for Crocidolite.	Use of Crocidolite restricted; special approval needed. There is a requirement for medical sur- veillance.
rway	April 1977	2 f/ml - all except Crocidolite.	PROHIBITIONS: Crocidolite fibre; spray; electrical, acoustic and condensation insulations; a/c pipe for carrying drir ing water; a/c products for ventilatior Effective 1.1.80: a/c roofing will be prohibited and all a/c products on buil ing sites. Asbestos to be substituted whenever technically possible.

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COUNTRY	REGULATIONS	STANDARD CONCENTRATION	REMARKS
Singapore	Factories (Asbestos) Regulations 1980 - Effective 15.5.80.	TLV's not prescribed in the Regulation but in a Code of Practice issued by the Ministry of Labour a TLV of 2 f/ml for all types is recommended.	a. Notification of asbestos process required. b. Exhaust ventilation equipment or protective equipment required. c. Medical examinations required pric to employment and every subsequent months. d. Persons under 18 years of age not permitted to be employed where ast tos dust could be present.
South Africa	Act No. 45/65	Government Mining Engineer Directive limits mines to 5 f/cc and mills to 10 f/cc konimeter spot checks, but if above 12 f/cc respirators must be worn. Voluntary reduction to 5 f/ml TWA membrane filter wef. 1.1.80. Manufacturing: Voluntary 2 f/ml TWA membrane filter.	
	Act No. 78/73		
Spain	None	'Servicio Social' preparing regulations based on USA standards. In meantime A/C Industry applying UK standards on voluntary basis.	April 1980: new regulations being draw up with the help of the Industry. The is for 2 f/ml with no discrimination t compulsory labelling might be required with certain articles.
Sweden	1st July 1982	The Regulation calls for a principal ban of asbestos and asbestos-containing products. There are careful instructions for use where asbestos and asbestos-containing products are authorised.	Usage of asbestos and asbestos-contair products may be allowed where no techn cally feasible substitutes are availab but only after approval has been obtai from the Authorities.

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UNTRY	REGULATIONS	STANDARD CONCENTRATION	REMARKS
itzerland		2 f/ml - all types.	None
	1969 Effective 16.3.81 "The control of pollution (special waste) regulations 1980" Statutory Instrument No. 1709, 1980.	2 f/ml - all types except Crocidolite. When measurements are averaged over a 4 hour period.	Voluntary ban on use of Crocidolite. Voluntary labelling scheme. ACA(5) report (October 1979) Recommend amongst 41 items: 1 f/ml for Chrysotile; 0.5 f/ml for Amosite; Ban on Crocidolite; Obligations to consider substitute 7.1.82: These are still under consider tion by the various Ministers.
A	1.7.76 OSHA (Occupational Safety & Health Administration)	2 f/ml - all types.	Regulations issued by various States a EPA - Environmental Protection Agency FDA - Food and Drug Administration; MSHA - Mine Safety & Health Administra CPSC - Consumer Product Safety Commiss DOT - Department of Transport.
SR	1954	Mining & Milling areas: 2 mg/m^3 - fibre content in dust not more than 10%. At lower fibre content 5-6 mg/m^3 is allowed. Asbestos Cement Manufacture - 6 mg/m^3.	Asbestos industry workers have a short working week and longer paid holidays.

lex of Abbreviations

f/ml - Fibres per Millilitre.
TWA - Time Weighted Average.
TLV - Threshold Limit Value.

4. A/C - Asbestos Cement.
5. ACA - Advisory Committee on Asbestos.
6. mg/m^3 - Milligrams per Cubic Metre.

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