ASBESTOS INTERNATIONAL ASSOCIATION

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MEMORANDUM

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:

PLAINTIFF'S EXHIBIT

CAP-1667

AIA Information Memorandum No

AIA/12

23rd July

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 restricte all States. Special approval for its is required. Application of asbestos by spraying r quires special permission in all Stat In all States a medical examination i cluding a chest X-ray has to be (comp sory) provided for each employee with 90 days of commencement of employment and thereafter at intervals of 3 year In the State of Victoria only (at thi 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.

CAPCO JEN 0013118

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 Ministry of Labour and Employment fo the handling of all types of raw asb tos fibres and for both manufacturin and handling of products containing or almost no binder, such as yarn, r cloth, packings, felts, millboard, e No authorisation is needed for the handling of finished products where asbestos is locked in (such as asbes 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 o asbestos or asbestos containing mate of all kinds. Following exemptions a until 1.4.82: unbonded packing mater " 1.1.85: asbestos cement materi " 1.1.90: commutators until further notice: friction mater bonded packing materia and bearing linings.
inland	July 1977	2 f/ml - all types.	Spray is prohibited. Use of Crocidol is subject to exemption by Labour Pr tection Board. With effect from 31.5 asbestos waste and products that can cause cancer must be labelled; a/c products are excluded.

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COUNTRY	REGULATIONS	STANDARD CONCENTRATION	REMARKS
France	Decree No. 77-949 17.8.77	2 f/ml - all types.	Decree 3492 1.7.77. Spraying of asbestos-base finishings dwellings is prohibited. Dust sampling must be done every 3 mc if results are below 1 f/ml or every month if above 1 f/ml.
Germany	June 1979	1 f/ml or 0.05 mg/m^3 for all types of asbestos airborne dust.	Directive for dangerous substances 1. 1. Limitation to 8 hours per day, 40 per week, no overtime or piece-wor These limitations, including measu will not be imposed when authorise and tested tools or other machinin devices are used. 2. Asbestos products have to be label as products which could cause canc 3. Proof that substitute products wer 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 becom effective 1.4.84 and except for AC < 1 g/cm^3 and spraying an escap clause exists exempting all other applications from the ban when aut orities have certified that fibre released during fabrication is les than 0.5 f/ml. Ban on AC with a density < 1 g/cm^3 No restriction is imposed on AC > 1 but the use of the abrasive disc f machining such products is prohibi Since 1.4.73 medical surveillance to be provided and smoking is proh ited.

Amended 15 March 1982
Amended 23 July 1982

* (See AIA Information Memorandum No 4

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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 awai public opinion (expiry date 31.8.81).
Ireland	1972	2 f/ml - Chrysotile, Amosite. 0.2 f/ml - Crocidolite.	No prohibitions. Special requirement exist when Crocidolite is involved, marking of containers, notification 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 Inspectorat For work places over 1 f/ml the conce tration should be brought to under 1 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 pro posed by National Institute for Accid Prevention (Instituto Nazionale per Prevention degli Infortuni - INPI), an 8 hour exposure, wearing a persona protector is equal to 2 f/ml but with a personal protector is equal to 0.2
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 mo asbestos content must have warning la attached to it.

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)UNTRY	REGULATIONS	STANDARD CONCENTRATION	REMARKS
·Lherlands	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 co mer goods in which the asbestos fibre not firmly bound are prohibited. Prod with 'locked in' fibres are allowed (as a/c flower boxes) but a/c products be labelled (AIA label accepted). The of Crocidolite and the manufacture, m keting and use of Crocidolite contain articles is prohibited. Exemptions ma granted by a special tripartite Advis Committee on Asbestos. Article 4, pro hibiting the use of asbestos-containi products for thermal and acoustical i lation, and for preserving or decorat 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; specia approval needed. There is a requirement for medical su veillance.
›rway	April 1977	2 f/ml - all except Crocidolite.	PROHIBITIONS: Crocidolite fibre; spra electrical, acoustic and condensation insulations; a/c pipe for carrying dr ing water; a/c products for ventilati Effective 1.1.80: a/c roofing will be prohibited and all a/c products on bu ing sites. Asbestos to be substituted whenever technically possible.

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'OUNTRY	REGULATIONS	STANDARD CONCENTRATION	REMARKS
›ingapore	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 o protective equipment required. c. Medical examinations required pr to employment and every subseque months. d. Persons under 18 years of age no permitted to be employed where a tos dust could be present.
›outh ›frica	Act No. 45/65 Act No. 78/73	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.	
›pain	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 dr up with the help of the Industry. Th is for 2 f/ml with no diacrimination compulsory labelling might be requir with certain articles.
›weden	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-conta products may be allowed where no tec cally feasible substitutes are avail but only after approval has been obt from the Authorities.

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OUNTRY	REGULATIONS	STANDARD CONCENTRATION	REMARKS
witzerland		2 f/ml - all types.	None
IK	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) Recomme amongst 41 items: 1 f/ml for Chrysotile; 0.5 f/ml for Amosite; Ban on Crocidolite; Obligations to consider substitu 7.1.82: These are still under consid tion by the various Ministers.
SA	1.7.76 OSHA (Occupational Safety & Health Administration)	2 f/ml - all types.	Regulations issued by various States EPA - Environmental Protection Agen FDA - Food and Drug Administration; MSHA - Mine Safety & Health Administ CPSC - Consumer Product Safety Commi DOT - Department of Transport.
SSR	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 sho working week and longer paid holiday

ndex 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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