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REVIEW OF ASBESTOS CONTAINING PRODUCTS

USED BY ENGINEERING DEPARTMENT

All negligible in section #1 & 2

J. C. Warner
7/28/72

1. General inventory of asbestos containing products.

   a. Asphalt mastic - asbestos fiber filler

   b. Braided coil and ring packing - asbestos yarn

   c. Gloves - asbestos cloth

   d. Heat suits - aluminized asbestos cloth

   e. Hot pads - asbestos paper

   f. Insulation - see separate listing - Item 2

   g. Molded packing - asbestos fibers filler

   h. Sheet gasketing - asbestos fibers filler

   i. Ribbon asbestos

2. Thermal insulation materials.

   a. Code 102 calcium silicate - asbestos fibers reinforcing

   b. Code 102.1 inhibited calcium silicate - asbestos fibers reinforcing

   c. Code 104 - kaylo 20 - asbestos fibers reinforcing

   d. Code 130 - asbestos board - asbestos fibers reinforcing

   e. Code 701 - asbestos roofing felt - asbestos fibers reinforcing

   f. Code 706 - fibrated asphalt emulsion - asbestos fibers reinforcing

   g. Code 709 - fibrated asphalt cut-back - asbestos fibers reinforcing

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   h. Code 715 - asbestos cloth

   i. Code 715.1 - asbestos cloth

   j. Code 718 - fire resistive fibrated asphalt cut-back - asbestos fibers reinforcing

   k. Code 719 - fibrated asphalt dispersion - asbestos fibers reinforcing

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l. Code 724 - asbestos paper

m. Code 724 - flexible braided asbestos tubing - asbestos yarn

n. Code 728 - "Tedlar" Neoprene - asbestos laminate - asbestos paper

o. Code 729 - "Hypalon" Neoprene - asbestos laminate - asbestos paper

p. Code 803 - fibrous adhesive - asbestos fibers reinforcing

3. Problem locations - no problem to 3-D personnel.

a. Insulation Storage Building - several small storage areas, maintained and used by laggers - no one there 90% of the time.

4. Problem Jobs (same degree of problem if any as in other areas of Plant.)

a. Dismantling calcium silicate insulation - occasional small jobs, say 1/week, few large jobs, say 1/month.

b. Installing calcium silicate insulation - laggers

c. Waste disposal - when combined with dismantling jobs above.

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ATTACHMENT B

TABLE

ASBESTOS RELATED PROBLEMS, COMMENTS, AND SUGGESTED SOLUTIONS

ITEM		DESCRIPTION	COMMENTS	SUGGESTED SOLUTIONS
1.	a.	Asphalt Mastic	No problem unless sprayed	Do not spary
	b.	Braided Packing	Contained, considered safe to handle	Personnel monitoring to verify claim
	c.	Asbestos Gloves	Probable source of exposure	Personnel monitoring. Look for substitute
	d.	Heat Suits	Same as 1.c.	Look to aluminized "Nomex" as substitute
	e.	Hot Pads	Same as 1.c.	Same as 2.c.
	f.	Insulation	Separate listing	See Item 2
	g.	Molded packing	Contained, no problem	None required
	h.	Sheet gasketing	Contained, no problem	None required
2.	a.	Calcium Silicate	Probable source of high exposure	Personnel monitoring to verify claim. Look for substitute material.
	b.	Inhibited Calcium Silicate	Same as 2.a.	Same as 2.a.
	c.	Kaylo 20	Same as 2.a.	Same as 2.a.
	d.	Asbestos Board	Problem when sawed	Same as 2.a.
	e.	Asbestos Roofing Felt	Contained, no problem	None required
	f.	Fibrated asphalt Emulsion	No problem unless sprayed	Do no spray
	g.	Fibrated asphalt Cut-back	Same as 2.f	Same as 2.f.
	h.	Asbestos Cloth (listing tape)	Possible source of high exposure	Personnel monitoring to verify claim. Evaluate J-M Thermo-chem tape as substitute.

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ASBESTOS RELATED PROBLEMS, COMMENTS AND SUGGESTED SOLUTIONS

ITEM		DESCRIPTION	COMMENTS	SUGGESTED SOLUTIONS
	i.	Asbestos cloth (insulation fittings)	Same 2.h.	Same as 2.h.
	j.	Fire resistive Fibrated Asphalt Cut-back	Same as 2.f	Same as 2.f.
	k.	Fibrated Asphalt Dispersion	Same as 2.f.	Same as 2.f.
	l.	Asbestos paper	Probably safe to handle	Personnel monitoring to verify claim
	m.	Flexible Braided Asbestos Tubing	Possible Source of high exposure	Personnel monitoring to verify claim
	n.	"Tedlar" Neoprene Asbestos Laminate	Probably safe to handle	Same as 2.l'
	o.	"Hypalon" Neoprene Asbestos Laminate	Same as 2.l	Same as 2.l.
	p.	Fibrous Adhesive	Contained, no problem	None required
3.	a.	Insulation Storage	Possible source of high exposure	Thorough vacuum cleaning, repeat periodically. Personnel monitoring to verify claim.
4.	a.	Dismantling	Possible source of high exposure	Soak with water. Personnel monitoring
	b.	Installing Calcium Silicate Insulation	Probable source of high exposure	Personnel monitoring. Substitute as quickly as possible.
	c.	Waste Disposal	Regulated by OSHA	Follow 37 FR 11321 Part 1910.931 h.2.

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