

March 29, 1984

TO: VICTORIA PLANT STANDARDS HOLDERS
FROM: J. L. CHAMBARD - BLDG. 3

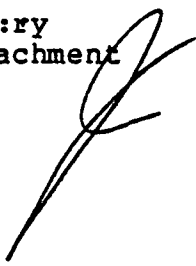
VP STANDARDS REVISIONS

Please insert the following new, reviewed and/or revised standards in your manual.

<u>Description</u>	<u>Remove</u>	<u>Insert</u>
Std 9A3	Revised 2/79	Reviewed & Revised 1/84
Std 9A4	Revised 2/79	Reviewed & Revised 1/84 pages 1-2
Std 9A5	Revised 2/79	Reviewed & Revised 1/84
Std 9A6	Revised 2/79	Replaced by Std 9A5
Std 9A7	Revised 2/79	Reviewed & Revised 1/84 pages 1-2
Std 9H	Revised 9/80 pages 1-3	Reviewed & Revised 1/84 pages 1-3

Destroy standards canceled by this issue.

JLC:ry
Attachment



DUP 0838592

INSULATION		VICTORIA PLANT STANDARD	
LABELING OF INSTALLED NON-ASBESTOS INSULATION	ISSUED	2/79	9H
	REVIEWED	2/84	
	REVISED	2/84	PAGE 1 OF 3

1. SCOPE

△ 1.1 This specification is a standardized method of identifying installed insulation which is asbestos free. All insulation of unknown asbestos content must be handled as asbestos. (See Victoria Plant Industrial Hygiene Procedure 10, and Engineering Standard S4T.)

1.2 This specification is applicable only for identifying installed insulation which is known to be free of asbestos fiber content. Materials, which obviously do not contain asbestos, such as cellular glass, glass fiber, cork, mineral wool, polyurethane foam, and polystyrene foam do not need to be marked for identification.

2. CLASSIFICATIONS

For installed insulation, specific areas on the Plant are classified as follows:

2.1 Class I. New facilities on which only insulation containing no asbestos fibers are installed.

2.2 Class II. New additions to existing buildings which can be clearly defined and does not contain any insulation containing asbestos fibers.

2.3 Class III. Existing areas which are modified by the addition of insulated lines or equipment using non-asbestos insulation.

2.4 Class IV. Existing areas in which existing insulation is being replaced with non-asbestos insulation.

3. METHODS OF LABELING

3.1 For identification place strategically located strips of tape labeled 'NA' around the circumference of the pipe insulation covering or the equipment insulation covering. Position the tape with the arrows pointing in the direction in which the indicated insulation runs (Figure 1). Class II, III, and IV locations.

3.2 A permanent sign, with at least 1" letters, placed in a prominent location should be used for Class I and II locations.

INSULATION LABELING OF INSTALLED NON-ASBESTOS INSULATION	VICTORIA PLANT STANDARD	
	ISSUED 2/79 REVIEWED 2/84 REVISED 2/84	9H PAGE 2 OF 3
4. <u>PLACEMENT OF LABELING</u>		
4.1 <u>Class I.</u> Insulated lines or equipment pieces in new facilities or segregated buildings in which no insulation containing free asbestos was installed, do not require individual identification. A permanent type sign should indicate that only non-asbestos insulation was used in this facility.		
4.2 <u>Class II.</u> Individual insulated lines or equipment pieces in clearly defined additions in which non-asbestos insulation was installed, do not require separation identification. In lieu of marking individual lines or equipment pieces, place a permanent type sign that defines the building addition. Also locate tape on selected columns, beams, walls, or ceilings, to clearly identify the plane at which the non-asbestos insulation starts. Position tape with the arrows orientated to indicate that, from that point on, all insulation is non-asbestos.		
4.3 <u>Class III.</u> Individually mark all new insulated lines and equipment pieces installed as additions or modifications in existing areas to indicate non-asbestos insulation. Place a strip of tape around the circumference of the finish at the points where the pipe goes through a wall or partition. Orient the arrows to indicate the non-asbestos insulation. Where a tie-in is made to a line insulated with a material of unknown asbestos content, identify the junction of the insulation by orienting the arrow of the tape toward the non-asbestos insulation.		
4.4 <u>Class IV.</u> Where insulation is being replaced in an area of unknown asbestos content, by non-asbestos insulation, identify the replacement insulation by a strip of tape placed around the circumference of pipe insulation covering at the starting point and where the non-asbestos insulation ends. Orient the arrows toward the non-asbestos insulation.		
5. <u>TAPE</u>		
5.1 Specifications (See Figure 1).		
A. Supplied in rolls.		
B. Pressure-sensitive contact cement backing.		
C. Withstand weather and atmosphere exposure for a minimum of five years.		
D. 'NA' letters and arrow white, repeated on 3-inch intervals, on blue background, letters 1-inch high.		
E. Material: 3M's M-90.		
F. Slit liner material approximately 1" from top of roll to facilitate removal.		

INSULATION		VICTORIA PLANT STANDARD	
LABELING OF INSTALLED NON-ASBESTOS INSULATION		ISSUED 2/79	9H
		REVIEWED 2/84	
		REVISED 2/84	PAGE 3 OF 3

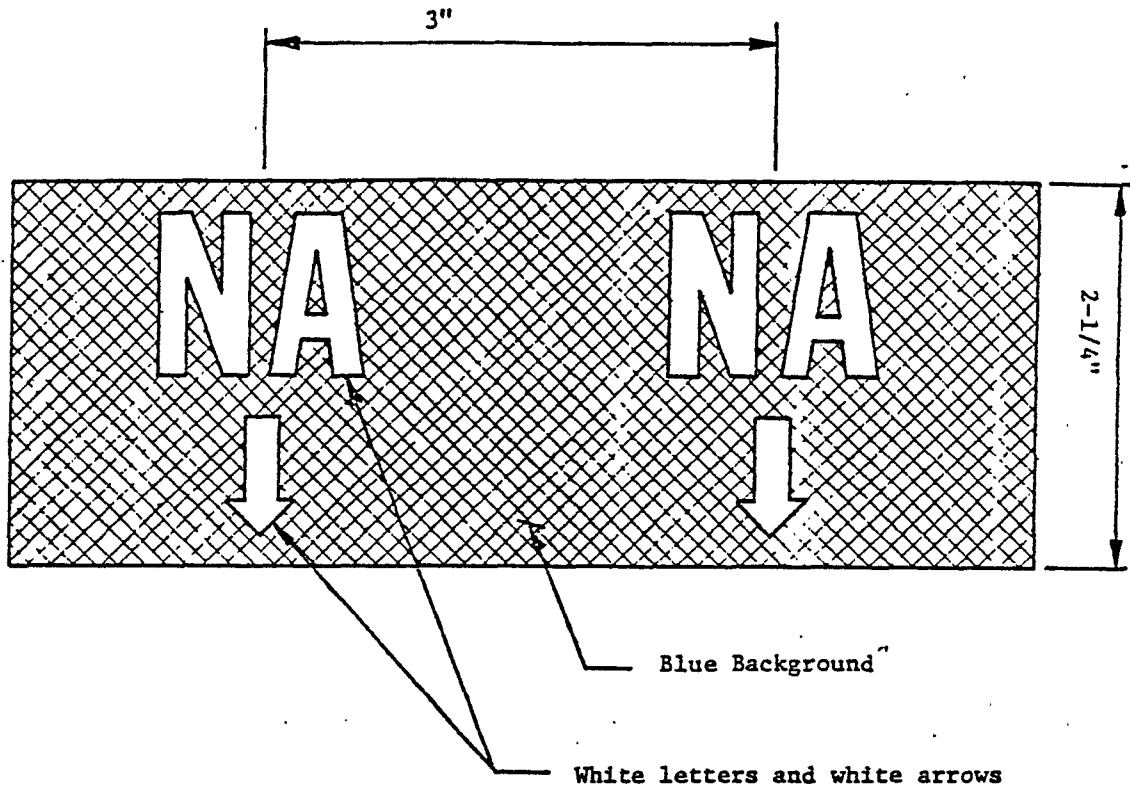


FIGURE 1 — TAPE FOR IDENTIFICATION

VICTORIA PLANT STANDARDS

DATE

1/31/84

STANDARD NO.

9H

NEW

REVISED 2/84

Please review and approved the attached Standards. Write in your comments or contact the originator if you have any questions.

ROUTING ORDER	NAME	APPROVALS	
		INITIALS	DATE
1. Asst. Div. Supt. - Engineering	J. O. Walling	<i>JOW</i>	1-31-84
2. Engineering Supt.	R. E. Keith	<i>REK</i>	2/1/84
Div. Supt. - Mechanical	L. F. Getz	<i>LFG</i>	2-8-84
Div. Supt. - Production	W. P. Ledet	<i>WPL</i>	2-9-84
Div. Supt. - Technical	B. W. Hardy C. R. Seaver	<i>BWS</i>	2/10/84
Safety Supt.	C. E. Bunn	<i>CEB</i>	2-13-84
Originator	M. K. Ahlstrom	<i>MA</i>	1-31-84
Engineering Division (For Processing & Distribution)	J. O. Walling	<i>JOW</i>	

COMMENTS:

Revised: 8/19/81

DUP 0838596

September 24, 1980

TO: Victoria Plant Standards Holders
FROM: Ernest C. Zuniga *ECZ*

VP STANDARDS REVISIONS

Please insert the following revised standards in your manual.

<u>Remove</u>	<u>Insert</u>
Std. 4G, p 5 of 6, Rev. 12/79	Std. 4G, p 5 of 6, Rev. 7/80:
Std. 9H, p 1 of 3, Issued 2/79	Std. 9H, p 1 of 3, Rev. 9/80

CANCELLED STANDARDS REPLACED BY THESE REVISIONS SHOULD BE DESTROYED.

ECZ:cgh
Attachments.

*Mailed out
9/25/80
ECZ*

DUP 0838597

<u>INSULATION</u> LABELING OF INSTALLED NON-ASBESTOS INSULATION		VICTORIA PLANT STANDARD ISSUED 2/79 REVIEWED 2/84 REVISED 2/84		9H PAGE 1 OF 3
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1. SCOPE

△ 1.1 This specification is a standardized method of identifying installed insulation which is asbestos free. All insulation of unknown asbestos content must be handled as asbestos. (See Victoria Plant Industrial Hygiene Procedure 10, and Engineering Standard S4T).

1.2 This specification is applicable only for identifying installed insulation which is known to be free of asbestos fiber content. Materials, which obviously do not contain asbestos, such as cellular glass, glass fiber, cork, mineral wool, polyurethane foam, and polystyrene foam do not need to be marked for identification.
2. CLASSIFICATIONS

For installed insulation, specific areas on the Plant are classified as follows:

 - 2.1 Class I. New facilities on which only insulation containing no asbestos fibers are installed.
 - 2.2 Class II. New additions to existing buildings which can be clearly defined and does not contain any insulation containing asbestos fibers.
 - 2.3 Class III. Existing areas which are modified by the addition of insulated lines or equipment using non-asbestos insulation.
 - 2.4 Class IV. Existing areas in which existing insulation is being replaced with non-asbestos insulation.
3. METHODS OF LABELING
 - 3.1 For identification place strategically located strips of tape labeled NA around the circumference of the pipe insulation covering or the equipment insulation covering. Position the tape with the arrows pointing in the direction in which the indicated insulation runs. (Figure 1). Class II, III, and IV locations.
 - 3.2 A permanent sign, with at least 1" letters, placed in a prominent location should be used for Class I and II locations.
4. PLACEMENT OF LABELING
 - 4.1 Class I. Insulated lines or equipment pieces in new facilities or segregated buildings in which no insulation containing free

INSULATION		VICTORIA PLANT STANDARD	
LABELING OF	INSTALLED NON-ASBESTOS	ISSUED 2/79	9H
	INSULATION	REVIEWED 2/84	
		REVISED 2/84	PAGE 2 OF 3

asbestos was installed, do not require individual identification. A permanent type sign should indicate that only non-asbestos insulation was used in this facility.

4.2 Class II. Individual insulated lines or equipment pieces in clearly defined additions in which non-asbestos insulation was installed, do not require separation identification. In lieu of marking individual lines or equipment pieces, place a permanent type sign that defines the building addition. Also locate tape on selected columns, beams, walls, or ceilings, to clearly identify the plane at which the non-asbestos insulation starts. Position tape with the arrows orientated to indicate that, from that point on, all insulation is non-asbestos.

4.3 Class III. Individually mark all new insulated lines and equipment pieces installed as additions or modifications in existing areas to indicate non-asbestos insulation. Place a strip of tape around the circumference of the finish at the points where the pipe goes through a wall or partition. Orient the arrows to indicate the non-asbestos insulation. Where a tie-in is made to a line insulated with a material of unknown asbestos content, identify the junction of the insulation by orienting the arrow of the tape toward the non-asbestos insulation.

4.4 Class IV. Where insulation is being replaced in an area of unknown asbestos content, by non-asbestos insulation, identify the replacement insulation by a strip of tape placed around the circumference of pipe insulation covering at the starting point and where the non-asbestos insulation ends. Orient the arrows toward the non-asbestos insulation.

5. TAPE

5.1 Specifications (See Figure 1).

- Supplied in rolls.
- Pressure-sensitive contact cement backing.
- Withstand weather and atmosphere exposure for a minimum of 5 years.
- NA Letters and arrow white, repeated on 3-inch intervals, on blue background, letters 1-inch high.
- Material: 3M's M-90.
- Slit liner material approximately 1" from top of roll to facilitate removal.

INSULATION
LABELING OF INSTALLED NON-ASBESTOS
INSULATION

VICTORIA PLANT STANDARD

ISSUED

2/79

REVISED

2/84

9H

Page 3 of 3

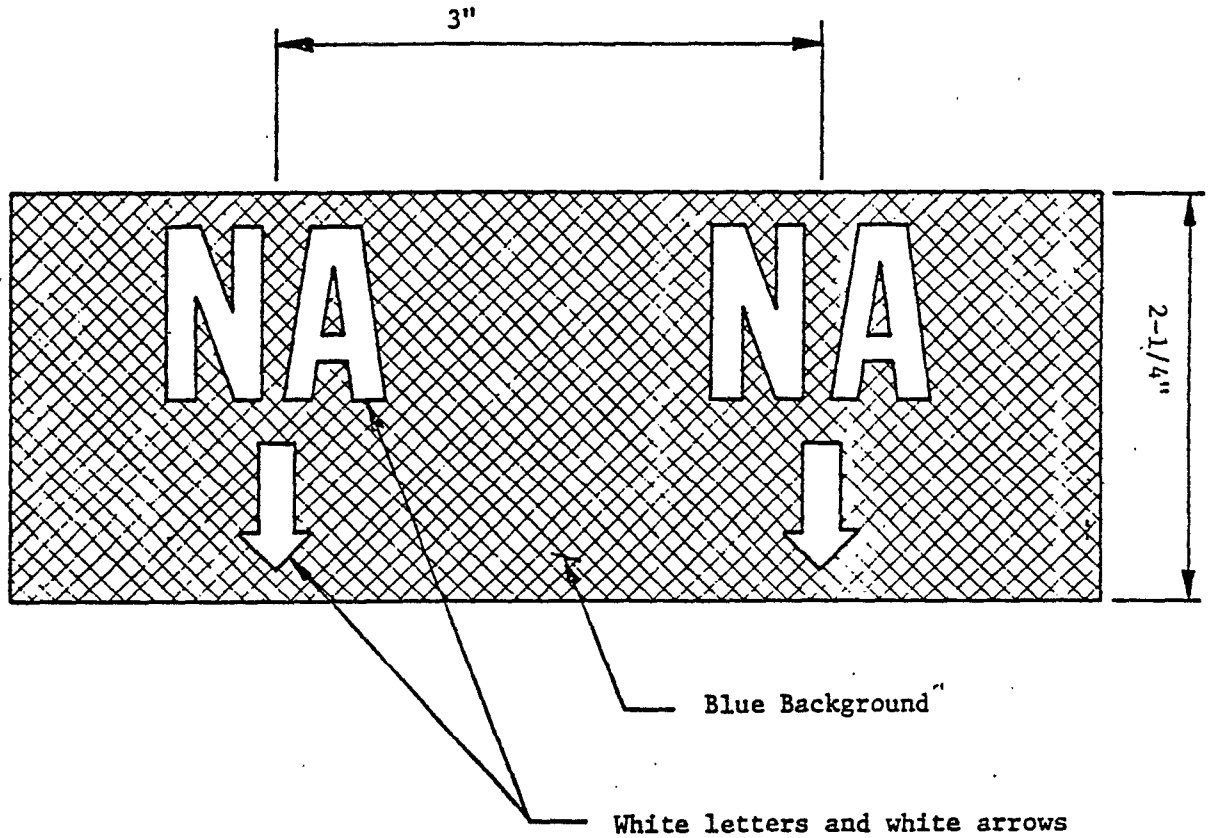


FIGURE 1 -- TAPE FOR IDENTIFICATION

VICTORIA PLANT STANDARDS

Date 2/15/79Standard No. 9HNew X

Revised _____

Please review and approve the attached Standards. Write in your comments or contact the originator if you have any questions.

ROUTING ORDER	NAME	APPROVALS	
		INITIAL	DATE
1. Asst. Div. Supt. - Engineering	J. H. Heck	<i>J.H.</i>	2/16/79
2. Engineering Supt.	R. E. Keith	<i>REK</i>	2/20/79
Div. Supt. - Mechanical	B. L. Sutphen	<i>BS</i>	2/23/79
Div. Supt. - Production	W. P. Ledet	<i>WPL</i>	2/28/79
Div. Supt. - Technical	E. J. Warwas	<i>EJW</i>	3/1/79
Safety Supervisor	C. E. Bunn	<i>CEB</i>	3-5-79
Originator	M. F. Hennessey	<i>MFH</i>	2-15-79
Engineering Division (For Processing & Distribution)	J. H. Heck		

COMMENTS:

Attached for your approval is a method for labeling installed non-asbestos insulation. A sample label was presented to Central Safety at the October 1978 meeting by A. H. Nickolaus and met with approval.

Rev.
2/7/79

DUP 0838601

<u>INSULATION</u>		VICTORIA PLANT STANDARD	
<u>LABELING OF INSTALLED NON-ASBESTOS INSULATION</u>	ISSUED	2/79	9H
	REVISED		Page 1 of 3

1. SCOPE

- 1.1 This specification is a standardized method of identifying installed insulation which is asbestos free. All insulation of unknown asbestos content must be handled as asbestos. (See Victoria Plant Safety and Fire Protection Procedure No. 68 and Engineering Standard S4T).
- 1.2 This specification is applicable only for identifying installed insulation which is known to be free of asbestos fiber content. Materials which obviously do not contain asbestos, such as cellular glass, glass fiber, cork, mineral wool, polyurethane foam, and polystyrene foam do not need to be marked for identification.

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<u>INSULATION</u> <u>LABELING OF INSTALLED NON-ASBESTOS</u> <u>INSULATION</u>	VICTORIA PLANT STANDARD <table border="1"> <tr> <td data-bbox="852 151 1182 214">ISSUED 2/79</td><td data-bbox="1182 151 1479 214">9H</td></tr> <tr> <td data-bbox="852 214 1182 268">REVISED</td><td data-bbox="1182 214 1479 268">Page 2 of 3</td></tr> </table>	ISSUED 2/79	9H	REVISED	Page 2 of 3
ISSUED 2/79	9H				
REVISED	Page 2 of 3				

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5. TAPE

5.1 Specifications (See Figure 1).

- A. Supplied in rolls.
- B. Pressure-sensitive contact cement backing.
- C. Withstand weather and atmosphere exposure for a minimum of 5 years.
- D. NA Letters and arrow white, repeated on 3-inch intervals, on blue background, letters 1-inch high.
- E. 2-1/4" X 18 yards on 3" I.D. core.
- F. Material: 3M's M-90
- G. Slit liner material approximately 1" from top of roll to facilitate removal.

<u>INSULATION</u> <u>LABELING OF INSTALLED NON-ASBESTOS</u> <u>INSULATION</u>		VICTORIA PLANT STANDARD	
ISSUED	2/79	9H Page 3 of 3	
REVISED			

3"

2-1/4"

NA NA

Blue Background

White letters and white arrows

FIGURE 1 -- TAPE FOR IDENTIFICATION

DUP 0838604