

LEAD INDUSTRIES ASSOCIATION

Graybar Building, 420 Lexington Avenue
New York, N. Y.

January 23, 1936.

TO MANUFACTURERS SUPPLYING LEAD PIPE in New York City:

The latest rules and regulations governing the use of water in New York City, which became effective on January 30, 1935, require that lead pipe of the following sizes and weights be used for water services:

<u>AA LEAD PIPE</u>			<u>AAA LEAD PIPE</u>		
<u>Inside Calibre</u>	<u>Thickness in Inches</u>	<u>Lbs. Per Linear Ft.</u>	<u>Inside Calibre</u>	<u>Thickness in Inches</u>	<u>Lbs. Per Linear Ft.</u>
3/4 in.	.23	3-1/2	3/4 in.	.293	4-3/4
1 in.	.246	4-3/4	1 in.	.298	6
1-1/4 in.	.257	6	1-1/4 in.	.319	7-3/4
1-1/2 in.	.298	8	1-1/2 in.	.396	11-1/4
2 in.	.375	13-3/4	2 in.	.504	19-1/2
2-1/2 in.	.468	21-3/8	2-1/2 in.	.625	30-1/8
3 in.	.562	30-7/8	3 in.	.75	43-5/16

This differs from the old regulations in that formerly lead pipe was used up to 2 in. in diameter only, the 2 1/4 and 3 in. sizes having been added in the new regulations.

We are advised that under the new multiple dwelling law in New York, the number of 2 1/4 and 3 in. services installed should be greatly increased.

Since brass, cast iron, galvanized iron and cement-lined iron pipe may also be used for these sizes, and since many plumbers prefer to install lead partly as a result of our own promotional efforts, manufacturers of lead pipe should make every effort to see that the proper weight 2 1/4 and 3 in. lead pipe is available to plumbers.

In one case recently brought to our attention, a reputable plumber found it necessary to install 2 1/4 in. pipe weighing 17 1/2 lb. to the foot, instead of 21-3/8 lb. as required by the regulations, because he was unable to obtain the correct weight pipe without considerable delay. The Water Department required this plumber to sign an affidavit guaranteeing the installation for a period of one year. It should not be necessary for plumbers who are anxious to use lead pipe to have to assume this responsibility. The new



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2½ in. service was installed to replace an old weight 2 in. service which had expanded to 4 in. internal diameter under pressure.

The new weights required by the regulations are calculated on the formula approved by the Lead Industries Association and manufacturers of lead pipe for calculating the proper wall thicknesses of lead pipe to be used under certain pressures, in this case, 75 lb. per sq. in. for the AA pipe and 100 lb. per sq. in. for the AAA. As our recommendations have been used in calculating these pipe weights, and as the Water Department intends to enforce the installation of the proper weights strictly, we should cooperate with them in seeing that the proper pipe is available.

We would like to urge that you make these new weights of lead pipe readily available in New York City and that you inform your jobbers of the new regulations. You can probably obtain copies of these regulations from the New York City Department of Water Supply, Gas and Electricity in the Municipal Building, and if you have any further questions, we shall be glad to hear from you. We shall appreciate being advised of what steps you take in this matter.

Very truly yours,

LEAD INDUSTRIES ASSOCIATION



Secretary.