LEAD INDUSTRIES ASSOCIATION

420 LEXINGTON AVENUE
NEW YORK 17, N. Y.

60 East 42nd Street

Pigments and Chemicals Division

REVIEW OF THE SUGGESTED REVISION
TO A.W.W.A. PAINT SPECIFICATION

Attached is a table summarizing the paint specifications that are included in the "Suggested Revision to AWWA Paint Specifications."

At first glance, they would appear to be highly satisfactory, as far as lead is concerned, but each paint system specification has an "Alternate" section, see note at bottom of attached table.

Further, no reference is made to a four-coat system, that is shop coat, field coat, and two finish coats, such as is made in the current AWWA specification by footnote, which reads as follows: "Many specifiers require an additional field coat of primer paint prior to application of the finish coats, as this practice considerably prolongs performance."

The present specification requires for inside primers and finish coats, red lead-linseed oil TT-P-86a, Type I, plus 2 lb. of litharge per gallon or red lead phenolic resin varnish paint, TT-P-86a, Type IV, or hot-applied coal-tar enamel, cold applied coal-tar enamel, cold-applied tasteless and odorless tar-base paints, or wax-grease coatings. In the case of the red lead paints, the following statement is made "Successive coats of the same kind of paint shall be tinted slightly to help indicate proper coverage."

For outside primers, TT-P-86a, Type I and Type IV are specified with the same provision for tinting as quoted above and for finish coats, the following are specified: Ti-Pb-Zn paint, TT-P-102, Class A (Chalking); Ti-Pb-Zn, TT-P-102 Class B (non-chalking); Black paint; Aluminum, Foliage Green, which is a soft paste

white lead, 100 lb., plus chrome oxide green, 20 lb.

It would be my opinion that this proposed specification, if adopted without revision, would be detrimental to tried and proven painting systems and would permit usage of systems about whose performance for this type of service is little known and unproven.

David M. Borcina

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Secretary, Red Lead Technical Committee

SUMMARY OF "SUGGESTED REVISIONS TO A.W.W.A. PAINT SPECIFICATIONS"

Paint System*	Primer	Intermediate	Finish	Title
No. 1	TT-P-86a Type I	Same as Finish (tinted)	Al	Oil Base Paint System (For weather exposure)
No. 2	TT-P-86a Type III	Same as Finish (tinted)	Al	Alkyd Paint System (for weather exposure, high humidity, and infrequent immersion)
No. 3	TT-P-86a Type IV	Same as Finish (tinted)	Al	Phenolic Paint Systems (for free water immersion, alternate immersion, high humidity and condensation and weather exposure)
No. 4	MIL-P-15929a Vinyl R.L. (Formula 119)	Same as Finish (tinted)	Al	Vinyl Paint Systems (for chemical exposure, fresh and salt water immersion, alternate immersion, high humidity and condensation and weather exposure)
No. 5	TT-P-86a Type I+2 lb. of dry litharge per gal.	TT-P-86a Type IV tinted with lampblack when red lead-l.o. primer is used	Al	Systems for Hand-Cleaned, Water Immersed Steel (for fresh water immersion, alternate immersion, high humidity and condensation, and weather exposure)
No. 7	TT-V-51a Varnish, Asphalt			One-Coat System for Structural Steel
No. 9	AWWA C203-51 Coal Tar Enamel		Same as primer	Bituminous Coatings (enamel, cold applied mastics and emulsions)

*All Paint Systems have an "Alternate" section, referring to SSPC Paint System Specification, which means several different paints may be used, including red lead-iron oxide, zinc yellow, etc. for primers, plus a similar number of paints for Intermediate and Finish Coats.

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