

LEAD INDUSTRIES ASSOCIATION

480 LEXINGTON AVENUE
NEW YORK 17, N. Y.

RED LEAD DIVISION

March 12, 1948

To Members of the Red Lead Technical Committee:

SUBJECT: PROJECT NO. 14

Mr. George Wills of the National Lead Company has called to my attention a discrepancy in the composition of Pigment 117 in the various revisions of the Atmospheric Program. According to a revised pigmentation adopted by the Committee on January 14, 1947, the present composition of Pigmentation 117 as shown in the January 26, 1948, revision of the Atmospheric Program is now in error.

The new pigmentation should have the following composition:

Zinc Chromate	35%
Zinc Oxide	10%
Magnesium Silicate	15%
Iron Oxide (85%)	40%

In order to avoid any further confusion, we are assigning a new number to this pigmentation and it will now be designated as Pigmentation No. 157. Revised pages for insertion in your copy of the Program outline containing these changes are enclosed. It is especially important that Paints 218 through 222 inclusive are made according to Pigmentation 157 since Pigmentation 158 was derived by substituting basic lead chromate for the zinc chromate in the revision of Pigmentation 117.

If you have not prepared the particular paints in question as yet, we would like you to revise the pigmentation accordingly or, if you have already prepared the paints in question according to the pigmentation in the current outline, we would like you to prepare the additional new paints incorporating Pigmentation 157.

Along with revised pages 6 and 7 we are enclosing Supplementary Page C containing instructions for the measurement and reporting of dry film thicknesses.

Very truly yours,

E. J. Vander Valk
E. J. Vander Valk
Technical Director

COPY TO:

Mr. N. P. Carllock
Mr. Wm. Helfrich
Mr. T. A. Neuhaus
Mr. C. A. Lominaka



LIA Project No. 14
 RI Atlas, Exp. Program

Revised
 - 6 -

March 12, 1948

TEST PIGMENTATIONS

The following pigmentations are to be tested in each of the five vials listed above:

	<u>114</u>	<u>115</u>	<u>116</u>		<u>118</u>	<u>119</u>	<u>120</u>
Red Lead 97% grade	99.5%	75%	-		-	-	25%
Zinc Chromate	-	-	25%		50%	25%	20%
Zinc Oxide	-	-	-		-	10%	15%
Magnesium Silicate	-	-	20%		10%	25%	19.5%
Iron Oxide, 85%	-	24.5%	55%		40%	30%	20%
Mica 325 Mesh	-	-	-		-	10%	-
Aluminum Stearate	0.5%	0.5%	-		-	-	0.5%
	<u>121</u>	<u>122</u>	<u>123</u>	<u>124</u>	<u>147</u>	<u>148</u>	<u>151</u>
Red Lead 97% grade	55%	65%	40%	-	52%	30%	-
Zinc Chromate	10%	-	7%	15%	-	-	35%
Zinc Oxide	-	-	-	10%	-	-	10%
Magnesium Silicate	23.5%	14.5%	24.5%	25%	23.9%	27.5%	15%
Iron Oxide, 85%	2%	16%	28%	50%	24%	34%	40%
Mica 325 Mesh	9%	4%	-	-	-	-	-
Aluminum Stearate	0.5%	0.5%	0.5%	-	0.5%	0.5%	-
	<u>158</u>						
Red Lead 97% grade	-						
Zinc Chromate	-						
Zinc Oxide	10%						
Magnesium Silicate	15%						
Iron Oxide, 85%	40%						
Mica 325 Mesh	-						
Aluminum Stearate	-						
Basic Lead Chromate	35%						

LIA Project No. 14
 EL Atmos. Exp. Program

Revised
 - 7 -

March 12, 1968

PAINTS

NOTE: LETTERS PRECEDING PAINT NO. INDICATE MEMBER ASSIGNED TO MAKE PAINT

E - Eagle-Picher Co.
 G - Glidden Co.
 N - National Lead Co.

Each primer including controls shall be made in quantity of 7 pints. These shall be distributed to the various participants at addresses and in the quantities shown on supplemental page B.

<u>L.I.A. Paint No.</u>	<u>Pigmen- tation No.</u>	<u>Letter</u>	<u>Vehicle</u>	<u>No.</u>
E 203	114	A		103
N 204	114	B		104
N 205	114	C		105
O 206	114	D		106
O 207	114	E		107
E 208	115	A		108
N 209	115	B		109
N 210	115	C		110
O 211	115	D		111
O 212	115	E		112
E 213	116	A		113
N 214	116	B		114
N 215	116	C		115
O 216	116	D		116
O 217	116	E		117
E 218	157	A		118
N 219	157	B		119
N 220	157	C		120
O 221	157	D		121
O 222	157	E		122
E 223	118	A		123
N 224	118	B		124
N 225	118	C		125
O 226	118	D		126
O 227	118	E		127
E 228	119	A		128
N 229	119	B		129
N 230	119	C		130
O 231	119	D		131
O 232	119	E		132

LIA Project No. 14
RL Atmos. Exp. Program

Supplement
- C -

March 12, 1948

FILM THICKNESS:

The dry film thickness of each coat of paint shall be measured after application by means of a Magne Gauge and the average of three readings taken diagonally across the panel shall be reported.