

PNYC00001597

INTERNATIONAL SMELTING AND REFINING COMPANYWHITE LEAD DEPARTMENTEAST CHICAGO, INDIANASUMMARY OF WHITE LEAD PLANT OPERATIONSYEAR 1941PRODUCTION:

Total production of White Lead for year 9,489 tons

The plant operated during the year at the following rates:-

January 1st to January 31st	28 tons daily rate
February 1st to March 31st	16 " " "
April 1st to May 31st	22 " " "
June 1st to December 31st	30 " " "

Average operating data for year was as follows:-

Average daily production rate	26 tons
Average amperes	4,552
Average current density amperes/sq. ft.	31.2
Average pound of White Lead/D.C. Kilowatt Hour	3.23

NEW EQUIPMENT INSTALLED DURING YEAR:

1. Acetic acid storage tank. 98% completed.
2. Bag packing equipment.
3. Spreader stoker on 150 HP return boiler.

LABOR:

Common labor rate increased	April 1st to	65¢ per hour
" " " "	May 1st to	70¢ " "

Minimum number of direct and indirect hourly employees	March 31st	46
Maximum number of direct and indirect hourly employees	Nov. 30th	85
Average number of direct and indirect hourly employees	70.3 avg. hrs. worked/week	38.1
Average number of direct and indirect salary employees	19.4 avg. hrs. worked/week	40

PNYC00001598

Sheet #2 - Summary of White Lead Plant Operations - Year 1941

ELECTRIC POWER:

All power was purchased from the Northern Indiana Public Service Company.

Total Kilowatt hours for year	8,536,689
Average cost for year per A.C.K.W. Hour	.00809
" " " " " D.C.K.W. Hour, delivered to cells	.00980

FUEL:

Total amount of coal used during year at boiler house	4,563 ⁺ tons
Average cost per ton	\$ 3.535

* 45.65% of steam generated was used by other departments for heating.

OPERATING COST:

Average production cost per ton barrelled	35.96
Average production cost per ton bagged	38.04
Average pounds of metallic lead charged per pound White Lead produced	.8044

		<u>Per Pound</u>		<u>Per Ton</u>
Average net sales price				
less cash discounts		7.081%		\$ 141.62
Average cost of goods sold	6.386		\$ 126.82	
Less depreciation	.215	<u>6.111</u>	4.30	<u>122.22</u>
Average operating margin		<u>.970%</u>		<u>19.40</u>

MAJOR EXPENDITURES:

A summary of the major items of cost for the year is given below:-

<u>Item</u>	<u>Cost</u>	<u>% of Total Cost</u>
Pay Roll Labor	107,454.60	30.168
Salaries	44,112.44	12.385
Coal	9,137.00	2.545
Acetic Acid	6,166.97	1.732
Sodium Acetate	4,822.61	1.344
Soda Ash	993.95	.279
Barrels	10,760.18	3.021
Bags	15,719.30	4.413
Electricity	69,047.90	19.383
Linum	2,846.25	.799
Taxes (property)	3,929.54	1.103
Unemployment Insurance Tax	4,549.95	1.277
Old Age Annuity Tax	1,516.61	.426
Insurance	1,147.68	.322
Group Insurance	807.56	.227
Depreciation	40,805.65	11.454
Other Items	<u>32,349.80</u>	<u>9.088</u>
	<u>\$ 356,190.19</u>	<u>100.000</u>

PNYC00001599

INTERNATIONAL SMELTING AND REFINING COMPANYWHITE LEAD DEPARTMENTEAST CHICAGO, INDIANASUMMARY OF WHITE LEAD PLANT OPERATIONSYEAR 1941METALLURGICAL BALANCE

		<u>Metallie Lead Pounds</u>	<u>White Lead Pounds</u>
Anode Lead			
Receipts (new)		24,508,229	
Less Returns: Scrap Anodes	9,018,539		
Rejects	4,403		
Dirty White Lead	69,126		
Dirty Lead-in-Oil	786		
Bismuth Slimes 80%	115,617	9,208,471	
Net Receipts		15,286,758	
Anodes on Hand, January 1st, 1941		230,897	
		15,517,655	
Anodes on Hand, December 31st, 1941		260,508	
Lead Charged		15,256,847	19,191,314
In Process, January 1st, 1941		138,110	172,638
		15,404,957	19,363,952
In Process, December 31st, 1941			
Settling System, etc.	228,530	285,620	
In Bismuth Slimes	23,729	29,641	
Losses Manufacturing	22,432	28,197	
Losses in Bismuth Slimes	32,609	307,290	384,508
Production		15,097,647	18,979,444

18,979,444 ÷ 15,256,847 = 1.245 pounds of White Lead produced per pound of metallic lead charged.

Percent of Losses Per Pound
Metallic Lead Treated

Manufacturing	.1436
In Bismuth Slimes	.2117

PNYC00001600

INTERNATIONAL SMELTING AND REFINING COMPANYWHITE LEAD DEPARTMENTEAST CHICAGO, INDIANAWHITE LEAD PLANT

<u>YEAR</u>	<u>CAPITAL INVESTMENT *</u>	<u>PROFIT</u>	<u>LOSS</u>	<u>NET</u>	<u>PER CENT RETURN</u>
1920	439,570.09		71,571.23		16.28
1921	550,513.82		238,001.74		44.88
1922	543,512.25	7,460.37	*		1.37
1923	546,772.02		23,991.33		4.75
1924	547,002.71	57,499.35			10.51
1925	558,999.59	57,778.45			10.34
1926	658,722.19	11,799.71			1.80
1927	675,536.05		70,643.34		10.46
1928	686,761.24	57,412.77			8.34
1929	710,989.90	51,431.56			7.23
1930	720,280.00		6,389.05		.88
1931	720,280.00	36,956.29			5.13
1932	720,280.00	24,519.53			3.40
1933	729,618.69	36,878.42			7.80
1934	731,811.74	58,004.37			7.52
1935	743,352.53	84,903.66			11.42
1936	773,061.27	56,922.08			7.36
1937	810,282.37		52,479.63		6.46
1938	815,442.23		18,909.75		2.32
1939	830,004.35	41,004.66			4.82
1940	832,541.81	30,765.22			3.61
1941	847,202.29	72,712.54			8.39
Total Investment and Return to Date	\$ 847,202.29	703,054.98	423,956.07	219,098.91	25.27

* No allowances made for depreciation for the period 1920 to 1941, inclusive
depreciation charges totalled \$503,098.19.

PNYC00001601

INTERNATIONAL SMELTING AND REFINING COMPANYWHITE LEAD DEPARTMENTEAST CHICAGO, INDIANALEAD-IN-OIL PLANT

<u>YEAR</u>	<u>CAPITAL INVESTMENT</u>	<u>PROFIT</u>	<u>LOSS</u>	<u>NET</u>	<u>PER CENT RETURN</u>
1931	1,564.86	578.51			36.97
1932	1,564.86	7,800.18			498.46
1933	4,028.83	24,015.45			594.59
1934	4,028.83	20,328.31			504.82
1935	17,089.54	8,089.95			47.34
1936	17,089.54	17,520.77			102.52
1937	17,089.54	12,301.03			71.98
1938	17,089.54		43,696.56		234.95
1939	17,089.54		4,555.74		26.66
1940	17,930.30		5,024.52		28.02
1941	<u>24,580.77</u>	<u>1,450.48</u>			<u>5.90</u>
Total Investment and Return to Date	<u>24,580.77</u>	<u>92,084.68</u>	<u>58,276.82</u>	<u>33,807.86</u>	<u>137.54</u>


Plant Manager

dm 2/4/42

cc: Mr. J. R. Robbins
Mr. R. E. Dwyer
Mr. F. Laist ✓

PNYC00001602