

# INTERNATIONAL SMELTING AND REFINING COMPANY

25 Broadway, New York

OFFICE OF THE VICE-PRESIDENT

January 28, 1946

Mr. R. E. Dwyer, Vice President  
Anaconda Copper Mining Company  
B u i l d i n g.

Dear Bob:

I enclose herewith two appropriation requests Nos. 113 and 171, respectively, which have come in from Mr. Johnson. These appropriations are for \$9,000 and \$19,300, respectively, or a total of \$28,300 and are for the purpose of enabling the plant to produce about 1800 tons per year of leaded zinc oxide from by-products produced in the muffle furnaces and lead sulphate to be produced from white lead and sulphuric acid. In addition to enabling us to produce this oxide, the relocation of packing equipment as proposed in estimate No. 171, will remedy a bad situation which exists in the zinc oxide packing plant and which has been complained of by the State health authorities.

This proposal has been discussed with Mr. Case, who states that it is almost necessary for us to continue to produce leaded zinc oxide for sales reasons and he believes that the proposal outlined in Mr. Johnson's letter is the best way of doing so now that we can no longer purchase lead sulphate from the National Lead Company. He also considers improving the conditions in the zinc oxide packing plant very important.

You will note that Mr. Johnson estimates that a net saving of \$29,000 per year will be made by the treatment of high zinc residue metal and that probably another \$11,000 can be realized by the treatment of muffle dross, which would give a total of \$40,000 per year to set against the appropriation of \$28,300, not to speak of the very considerable improvement which will be effected in the zinc oxide packing department.

I trust we may have your approval of the appropriations.

Yours very truly,

EL/FW

PNYC 00013212

INTERNATIONAL SMELTING AND REFINING CO.  
EAST CHICAGO, INDIANA

## MEMORANDUM

TO R. G. Bowman, General Superintendent  
FROM P. S. Toney  
SUBJECT:

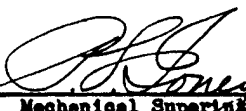
DATE September 26th, 1945

I am enclosing herewith Appropriation Request No. 168 to cover the cost of additions to an existing Drace Dust Collector for the amount of \$1,800.00.

The Drace Dust Collector that we are using was originally purchased for the Refinery and was moved to the Oxide Department in 1944. It became necessary at this time to ventilate the bag packer to protect the men from lead absorption in packing leaded zinc oxide. This dust collector was attached to the bag packer.

In order to compound leaded zinc oxide and arrive at the proper percentages of lead and zinc bearing materials it is necessary to mix materials of known analysis. This is done in a horizontal semi-circular tank about four feet in diameter in which a ribbon conveyor rotates to do the mixing. Materials are dumped into the mixer from barrels. This is a dusty operation even when the equipment is housed. Ventilating equipment has been installed that clears up the dust at this mixer and discharges it to the atmosphere. It is now necessary to collect the dust that is discharged outdoors, as it represents both a loss of material and a hazard when it blows back into the building and about the plant. The actual loss of material itself would amount to about five tons per year, which in money would be nearly \$600.00. The Drace collecting the same dust from the bag packer is not fully loaded but will not carry the whole load of both the packer and the mixer, hence it is necessary to extend the present collector by adding two more sections to care for all of the dust. Fan capacities that now do the ventilating will be equalled in collecting capacity by the proposed additions.

The amount requested will eliminate a bad health hazard and at the same time return the amount of the investment in savings within three years.

  
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Mechanical Superintendent

PST/re

PNYC 00013213

N13386.01

INTERNATIONAL SMELTING AND REFINING CO.  
EAST CHICAGO, INDIANA

MEMORANDUM

TO R. G. Bowman, General Superintendent

DATE September 26th, 1948

FROM W. J. Knox

SUBJECT: APPROPRIATION REQUEST NO. 168

I have read the attached request, prepared by Mr. Toney, for an appropriation to cover the cost of additional drasco dust collectors for the leaded zinc oxide packing installation. I recommend that this equipment be installed.

The Refinery drasco now installed does not have sufficient capacity to filter the dust from both the bag packers and the mixer hood. When this additional unit is installed the dust hazard that now exists in the area where leaded zinc oxide mixing and bagging is carried out will be reduced to a minimum.

  
Superintendent Pigment Division

WJK/rs

PNYC 00013214

N13386.02

# INTERNATIONAL SMELTING AND REFINING COMPANY

East Chicago, Indiana



G. E. JOHNSON  
Plant Manager

October 2, 1945

Mr. Frederick Laist, Vice President  
International Smelting and Refining Company  
Room 1720 - 25 Broadway  
New York 4, New York

Dear Mr. Laist:

A recent survey by members of the staff at East Chicago, also by representatives of the State Board of Health, convinces me that we should improve the ventilation to eliminate the dust hazard in the area at the Zinc Oxide Plant where leaded zinc oxide mixing and bagging is carried out. The survey showed that the dust hazard was from ten to twenty times the allowable figure, and both groups recommended that we correct this condition.

The enclosed letters by Mr. Bowman, Mr. Knox and Mr. Toney are, I believe, self-explanatory, and outline the need for the proposed equipment.

For your consideration, I am enclosing Appropriation Request No. 168 which covers an addition to Oxide Department Dracco Dust Collector in the amount of \$1,800.00, which should properly ventilate this area.

Very truly yours,

GEJ/fs  
encl.

PNYC 00013215

N13386.03