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FROM

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PERSONNEL DEPARTMENTTO MR. R. E. WHITSON
ADM. & TECH. MANAGER

TBS

CONFIDENTIALRE: ENVIRONMENTAL CONDITIONS

The following is a list of problem areas that have come to our attention over the past several years, and are, for the most part, still being pursued by one or more groups in the organization. The Industrial Hygiene Committee has been involved in most of these areas.

POTROOMS & FLOTATION PLANT

1. Vortex tube program
2. Dusts
3. Electrode fumes and blow-outs - automation program in process.

SMELTING POWER DEPARTMENT

1. High atmospheric temperatures
2. Excessive exhaust leaks - test program for CO & nitrogen dioxide
3. High noise level - particularly Bldg. #67
4. Fumes from activator reclaim unit

REFINING POWERHOUSE

1. High atmospheric temperatures

INGOT PLANT

1. High atmospheric temperatures
2. Dusts from marinite sawing
3. Chlorine fluxing

PRECIPITATION

1. High noise levels in tank scaling

POT REPAIR

1. Noise level - digging machine
2. Dusts

MACHINE SHOP - R-148

1. Toxicity of metallizing operation - particularly wires containing lead
2. Copper and flux poisoning in connection with burning, brazing & soldering

CHLOR-ALKALI

1. Mercury contamination - test program in progress
2. Chlorine fumes

APC 005312



FROM O. L. ROYERTO MR. R. E. WHITSONLABORATORY

1. Ozone level in quantometer room

STOREROOM

1. Storage of chemicals requiring close temperature control such as Chlorothene-Nu and Methol Ethyl Keytone. Special storage facilities have been provided.

PASTE PLANT

- ✓ 1. Heat conditions on blender floor. Mixer floor problem has been solved by installation of ventilating system.
2. Coke dusts

ELECTROLYTE

- ✓ 1. Hydrofluoric acid vapors
2. Dusts

PAINT DEPARTMENT

- ✓ 1. Lead poisoning - continuous test program in operation.

GENERAL

1. Alumina dust
2. Bauxite dust
3. Toxicity of organic solvents in application of epoxy and polyester coatings.

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