UC 149-2

UNION CARBIDE

INTERNAL CORRESPONDENCE

PLAINTIFF'S EXHIBIT UC-229

MINING AND METALS DIVISION

P. O. BOX K, KING CITY, CALIFORNIA 93930

To (Name) J. L. Myers
Company Mining & Metals Division
Location Niagara Falls

Date June 24, 1971

Originating Dept.

Answering letter date

Copy to

Subject

Following is a brief description of our several dust collecting systems:

RG 244 CIRCUIT

Off-gas from the 310-16 Roto-Louvre Dryer is drawn thru a Model 5208-24 (51" diameter by 146" overall height) Salina Helical-Top Cyclone. Cost was $485 in 1967 for the cyclone only-probably was $1,000 for installed cost, including small rotary valve on discharge from bottom. Rated capacity is 1800-4500 SCFM. No visible emissions unless rotary discharge valve becomes plugged. Collected dust feeds into product grinding and bagging circuit.

Grinding and bagging room dust is collected in a Mikro-Pulsaire Model 1-C-1 bag type dust collector, single compartment, 72 bags 510 square feet of filter area. Collected dust is discharged thru rotary valve into product bagging machine. This was a surplus unit from another UCC plant. Estimated $4,000 to duplicate this as now installed. No visible escape of dust unless malfunction such as torn bag, plugged discharge, etc.

MILL CIRCUIT

Off-gas from the 1003-36 Roto-Louvre Dryer is drawn thru two Link Belt #19 type LS cyclones designed to handle 32,000 C.F.M. Collected dust drops thru rotary valves into a Redler conveyor and thence to product packaging. Estimated installed cost $10,000. No visible dust into atmosphere unless one or both of the cyclones plug up.

Grinding and bagging room dust is collected in a Mikro-~~Lucaire~~ PULSAIRE Model 1-C-3, three compartment, 216 bags, 1,530 square feet of filter area. Collected dust is discharged thru rotary valves into a Redler conveyor and thence to recycle thru the wet circuit of the mill. This, too, was a surplus unit-I'd wildly guess at $12,000 for the value of our installation. There is no visible dust in the exhaust from this collector.

Hope this is what you want-I don't have much additional information on these items.

R. O. Marsten

R. O. Marsten

/clg