(4) Belmont Plating Works

kdo
2/5/13

9:38 Onsite
Inspection w/ Ray Cullen
Ray Nieman, Office Manager

In Front office, 4 buildings down at 9:45 AM

When greeted in reception, Ray asked us to speak w/ Envir. Mgr.

Entered the facility @ 9:40, no one was present in the office area. I walked up to an employee to ask for a manager.

Ray doesn't have a facility schematic and doesn't know where its available

Mark Toni, President - Spoke on Phone
↳ Said will be here in 10 mins to answer questions

Business Started in 1948 on Belmont Ave until ≈ 1970's

Two buildings connected at plating building.

Ray here ≈ 30 yrs.

≈ 70 employees. 7-3:30, 3:30-midnight

≃ 90% local business, metal fabricators, nuts, bolts, screws (≃ 50%)

≃ 100 jobs/day

Joann Kepura, Scientific Control Labs, Envir. Consultant.

Roy didn't want us to ask Bob questions, saying we should wait to ask Mark.

Mark meets us at 10:10 AM

In business since 1953. Started in 1947

Zinc, Nickel, Tin, Copper, Cadmium. All electrolytic.

Mark doesn't # of tanks of each, in total or plant schematic.

Small chrome tank, hexavalent for one customer. Decorative chrome plate. Used 1-2 hrs/day

No degreaser used.

Rob Bethel. Plant Mgr to take us on tour.

Beryl Zinc largest line
≃ 40 employees.

10:30 enter building 9

Alkaline cleaner first line
- Steel
- Brass

Copper - 1 tank for rack
Cyanide

Chloride Zinc Solution - non cyanide
heaviest odor

Cyanide Cadmium rack

All tanks open @ all times

Chromium tank ≃ 4' tank
Blower exhausted to roof.
Uses Fume suppressant - added per amp hours - bath never drained. Scientific Control takes care of surface testing

Nickel plating for rack

Now in building 2 - very

Cyanide Copper Beryl

Now B2 (Building 2) N. wall

Two lines left in Nickel, Beryl

(R) Cadmium Cyanide

Exhaust for acid & cleaners

Sludge pickup Enviro Quality Co. ≈ 2-3 weeks

Covered Sludge box

Skylights open in summer to let air

Zinc Chloride, automatic line

Grates on all floors, plating solution under grates

Second

Zinc chloride automatic line

Water treatment, closed system

Third zinc chloride line in Building 3. Fully automated

Zinc Chromate - Trivalant after Zinc chloride

Lab verifies concentrations, check waste water throughout day.

2) Where does fluid in grater go? how is it collected?