

and the willow crusher about the levels in distance

Willow Leaf Products Company

lives in nat.
leaf Products -

pipe, sheet lead, plumbing traps - washers - floor dirt - (excludes)
extrusion, shaping, turning (assembling articles for use) (not cut & finished, coming things)
mitten lead in pot - dross removed & handling these after - dust handling
little changed & lead shrapnel from work but appreciable bag and fan

dirty floors - vacuum cleaning

Smelter - cupola furnace - several (3) outlets ^{types of} - multiple towers from which
this is a buff back; where metal flows out not well handled; and (3) front
tap hole
opening - operator not hand across but tapping not very effective.

Bag house - to remove material (after cooling) from cupola stock
several outside doors, which must be opened frequently - at least 1 X per week
to clean out ^{the} grids, covered liberally with oxide & has blood
about - covered in foot at. - could be cleaned thoroughly after dross
cleaned.

~~Unnecessary~~ material removed and collected at back of smaller
(mostly covered with very high lead content)
carbonaceous material - put into cans (without lids)

There are more dross back in to the cupola furnace, but part of
then contents is spilled at all floor where the contents of
material are being prepared (by one man [hand]) but
introduction into the furnace - This man works in low
area nearer than used to be to the furnace and to the
refractory pot - handling material - the spill out - and
he sweeps his scales and other cans about himself, with
a broom stirring up a cloud of dust - $\therefore$ the fumes
he does not wear a mask

N19751

Smelter and the screened
against wind from
prevailing direction sweeping
material back into area

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↓ (over)

Sweeping the back with all in area cleaning working works so long

Personal hygiene

The facilities for washing, bathing, toilets, ~~and~~ locker room, and eating place are defensible. Personal hygiene cannot be achieved, even with good facilities (although it ~~can~~ ^{is improved}), so long as the plant in its entirety is dirty throughout. When, however, a cleanly and orderly state can be achieved, ^{in the various areas of the plant,} attention should be directed to the furnishing of ~~adequate~~ ^{adequate} locker rooms, shower, hand-washing facilities, and an eating place - with a suitable place (lockers, etc.) for lunch pails.

There should, in the space of nearby, be a place for storing cleaning and issuing respirators for use in specific jobs (cleaning out bag-house etc), all to be adequately ^{stocked and supervised} ~~supervised~~. Discipline is necessary to achieve personal cleanliness and proper use of personal protective equipment. ^{These goggles have} ~~At least~~ never been achieved in any ^{set of industrial} operations without instruction, supervision, and management responsibility, properly implemented, for the conscientious use of respiratory protective equipment, and for the freedom of personal cleanliness! Every man should be required to change clothes, bathe, at the ^{end} of the day ^{or shift} and to put on work clothes at the beginning of the day ^{or shift}. Time must be provided at the beginning of the shift for changing clothes, and at the end of the shift for bathing and changing clothes. For this a double system of lockers is needed, and shower and wash room facilities so designed as to ~~hold a double~~ provide a clean area and a dirty area (with lockers in each) with showers in between.