

To Anne. Tays

Date .. November 10/80

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From K.S.. Morton

Subject VACUUM TRUCK PROCEDURES & SAFETY FACTORS

Load out facility. Completely sealed loading system, the loading spout is a wedge fit inside trailer loading ^hatch. Product is screw conveyed into the trailer. ^Dust laden air displaced by product returns to existing baghouse facility. Trucks will be weighed and loaded inside a load-out building. This facility will prevent over-loading of trailers and contain any spillage that may occur during loading. Trucks are to be loaded during daylight hours only by personnel experienced in handling arsenic and knowledgeable about safety precautions to be observed. Any arsenic dust found on the trailer will be wiped or vacuumed off prior to shipment.

Vacuum Truck - Unit is heavy duty Sherman Myers Vector mounted on a Kenworth Chassis. Normally operated at 4500 cfm at 16" ^{Hg.} height. Pick-up of material can be performed using up to 600 feet of flexible vacuum line ranging from 8" to 2". The machine has sufficient power to pick up anything that will pass through the hose.

Material picked up is stored in a 16 cu.yd. sealed box mounted on the same chassis and can be unloaded by simply dumping the box or pneumatically conveying to another vessel. The unit is designed to handle liquids, solids, or combined liquid/solids (slurries).

An important accessory to the Vacuum truck is a 26 ft. trailer which can be pulled by the vacuum truck. The trailer is designed to carry all the hose and fittings required as well as a 500 imp. gal. water tank, a 3" pump, an air compressor to provide breathing air to life support units, a water heater and shower and all the other equipment that may be required on a clean-up job.

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Personnel Protection

During loading operations, it is expected that fugitive dust emissions will be minimal and coveralls, gloves and particulate masks should provide adequate protection. Gravimetric sampling will be regularly carried out and should the situation warrant it, further protection will be used.

Clean-up operations may be conducted under a variety of conditions and equipment will be available for all conditions. Normally, however, workmen will wear a fully enclosed "Life Support System" which includes a dust tight coverall, pressurized or air conditioned depending on conditions, and a sealed helmet containing an external purified air system, a secondary breathing system, a communication system and an alarm system to indicate problems with air supply.

I am sorry we could not provide any information regarding trucks or trailers. Should you require further information regarding contingency plans we would be pleased to provide it.

Regards,

"Kent Morton"

KSM:jc