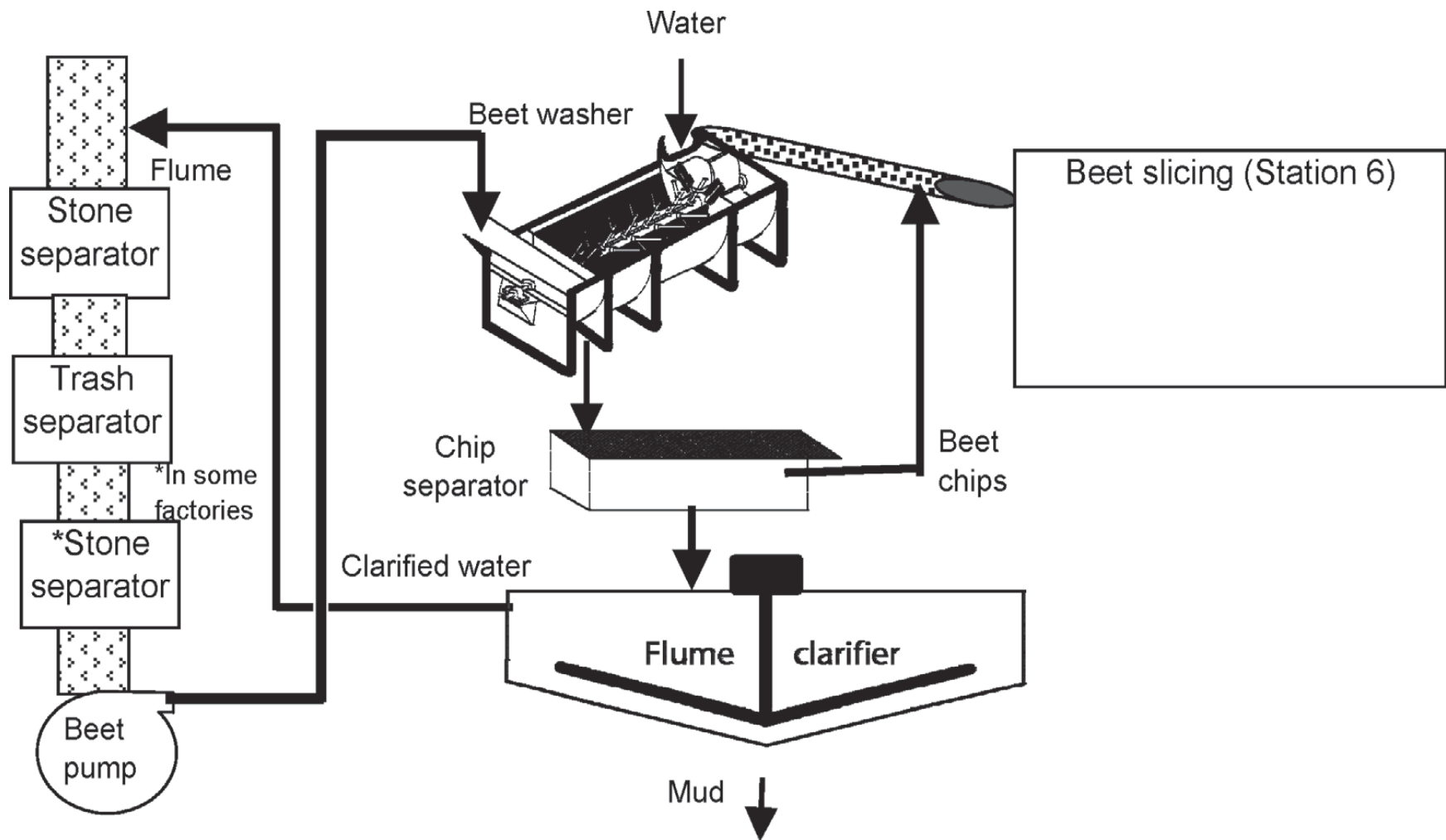


Flow diagram of stone and trash separation (Station 4)



Flow diagram of beet washing and wash-water treatment (Station 5)

NOTES

Stations 1 through 5 explained the process of sugarbeet receiving, piling, storage, and cleaning. The equipment belonging to these stations is installed outside the main building of the factory, with one exception being the beet washer is inside in older factories. Therefore, the operations of these stations is called yard operation. From the next station (Beet Slicing), the main operation of the sugarbeet processing starts. After leaving the beet washer, the beets are directed to the hopper of the beet slicer to wait for the slicing process.

Spraying beets with fresh water after discharge from the washer is important to remove microorgan- isms from the surface of the beets. Even so, some microbes remain in the pockets and crevices of beets. When beets are sliced in the next station (Beet Slicing), the microbes are distributed through the cossettes and will continue into the diffuser (Station 7) causing sugar loss (see Section 7 for microbial activities in the diffuser)