



Application: Harvested Vegetable Flumes for Vegetable Washing
Particles & Debris: Dirt on Vegetables and Sand from Water Source Wells

Problem: Freshly picked vegetables at a leading Southeastern agricultural processing facility were collecting high levels of dirt and sand from the source water well, which was causing them to lose system efficiency. High volume of sand particles and other debris clogged flumes and nozzles in the closed-loop process. On a consistent basis, labor was required to clean out the dirt and debris. The plant required manual cleaning of the flumes with shovels by a minimum of 10 workers, 3-5 days per week, working 4-6 hours per day for six months out of the year. Excessive amounts of water and electricity were wasted trying to clean the vegetables to an acceptable condition in order to market to customers.

Equipment prescribed: Plant management had been researching a solution and had heard from other major brand food processing plants, that a hydrocyclone particle separator manufactured by Puroflux Corporation would be the best choice for their operation. Puroflux proposed six hydrocyclone separator skids and wash-down controls for this environment.

Status: The installation of the Puroflux equipment solution paid for itself in 6 months. The dirt and sand are now being automatically purged from the separators and collected into hoppers for easy removal, and because of that the labor has been significantly reduced. The plant manager said "We were very satisfied in the performance and results that Puroflux could offer us. As well as saving on labor, and providing higher quality vegetable products, they gave us a much higher ROI than we could have anticipated.



2121 UNION PLACE • SIMI VALLEY, CA 93065
PHONE: (805) 579-0216 • FAX: (805) 579-6005
WWW.PUROFLUX.COM • SALES@PUROFLUX.COM