



WINERY AND BREWERY WASTEWATER AERATION

Few people appreciate the tremendous volume of wastewater generated each day by wineries, breweries, and hard liquor processing plants. This process water generally is discharged into large shallow lagoons where it can be treated, and hopefully will partially evaporate.

The water in these pits contains huge amounts of organic matter creating a very large biological demand for dissolved oxygen (BOD.) In many of these pits the BOD is much higher than that seen in a majority of other industries. Plus, these pits are noted for strong fermentation odors resulting from the processing of the raw ingredients. As in other industries, there is growing pressure on these plants to clean up the process water before it is discharged into the environment.



Most operators are able to pump their process water to the nearest municipal treatment plant. Even here, municipalities are beginning to insist that the process water meet certain minimal conditions before it will be accepted by the local city wastewater plant. The key to treating this BOD is to inject huge volumes of dissolved oxygen. Precision Aeration Solutions aerator is ideally suited for use by winery and brewery plants.

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