

# Air Stripping in Industrial Wastewater Treatment

SAND FILTER REPLACEMENT | WALNUT SHELL MEDIA FILTERS | FILTRA-SYSTEMS

## Arizona Chemicals, Wastewater From Chemical Plant

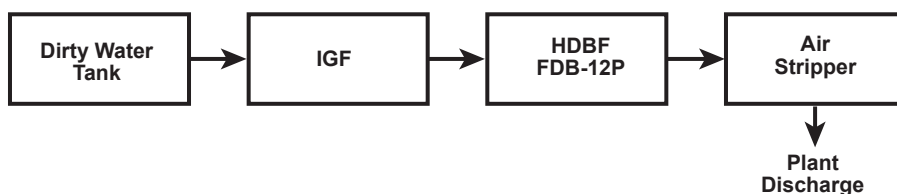
### PRODUCT USED:

**STiR Industrial Water Filter**



|            |  |
|------------|--|
| END USER:  | Arizona Chemicals, Water Treatment Plant               |
| LOCATION:  | Panama City, FL., USA                                  |
| UNITS:     | (1) FDB-12P HDBF installed between the IGF and the Air |
| FLOW RATE: | 120 gpm ( <b>0.2 Million Gallons/Day</b> )             |
| PROCESS:   | Resin Plant Waste Water                                |

### AIR STRIPPING-WASTEWATER-PROCESS FLOW DIAGRAM



### MORE INFO

The Arizona Chemicals facility in Panama City, Florida, produces a variety of adhesive products.

The waste water from these various processes were treated via a floatation cell and then sent through air stripper water treatment prior to plant discharge.

The air stripper was fouling rapidly causing plant shutdown for stripper cleaning. A pilot test was conducted to determine if filtering the water, prior to sending it to air stripper water treatment, would significantly increase the duration between stripper cleanings.

The test showed that the filter can continuously produce clean water, less than 1 ppm of oil and 1 ppm of solids at 0.45 micron. Even if the inlet concentrations increased by a factor of 5 or 10, the unit still would meet discharge requirements. After a successful test, a production size unit was installed.

Since installation, the air stripper has yet to be cleaned where it had previously been cleaned 4 to 6 times a year. By installing the filter the costs associated with cleaning the stripper, causing plant shut down, and the potential of not meeting the discharge permit have been eliminated.

**Contact us today, 248-427-9090 to see how you can improve air stripping in your industrial wastewater treatment.**