

Purification of refuse pond (automotive painting line)



- Circulating water type : Circulating water for painting
- Water tank : 50m³
- Model : Aquablaster system

Problem

Customer wanted to minimize generation of putrid odors from refuse ponds of auto body painting lines.

Challenges

Minimizing putrid odors, lengthening the service life of circulating water, and lightening the load on final-stage wastewater treatment equipment.

Solutions

Fourteen Aquablaster AS-250 (previous model) units were installed in a 50-ton water tank.

Effects

The service life of circulating water, which could previously be used for only one month, was lengthened to three months, and putrid odors were virtually eliminated.



- Circulating water type : Circulating water for painting
- Water tank : 280m³
- Model : Aquablaster system

Problem

Customer was seeking ways to address the generation of putrid odors, lighten the load on final-stage wastewater treatment equipment, and lengthen the service life of circulating water.

Challenges

Minimizing putrid odors, lengthening the service life of circulating water, and lightening the load on final-stage wastewater treatment equipment.

Solutions

In four 70-ton water tanks, totaling 280-tons, ten Aquablaster units were installed in Tank no. 2 and five units in Tank no.3.

Effects

Putrid odors were virtually eliminated and the service life of circulating water, which could previously be used for only one month, was lengthened to five months. Even so, the load on final-stage wastewater treatment equipment was lightened.



- Circulating water type : Circulating water for painting
- Water tank : 30m³
- Model : Aquablaster system

Problem

When building a new construct construction equipment plant employing melamine-based paint, the customer was seeking a way to reduce refuse pond costs.

Challenges

It was hoped that maintenance work, which had been carried out once a month thus far, could be reduced to once every six months or so.

Solutions

Three new 10-ton circulating pits (refuse ponds) were constructed, and four Aquablaster units were installed in each one.

Effects

Operation continued for 14 months with absolutely no need for maintenance, cutting annual costs by almost ¥50 million.