

Slime produced by Microorganisms

It is a sticky, sludge-like substance produced by microorganisms (bacteria, mold, algae, etc.).

The Sime is often found in Cooling water systems and Air conditioning equipment. They are formed by a collection of substances secreted by microorganisms as they reproduce. Due to this, it reduces heat exchange efficiency in cooling towers and piping, which can cause energy loss and shutdowns. Also it can cause energy loss and operation stoppage. Slime can also cause foul odors and health hazards.

Regular cleaning and water quality control are important to prevent Slime generation. For example, blowdown of cooling water and water quality control with chemicals are effective.