Suspended Solid Encyclopedia Article

Suspended Solid

The following sections of this BookRags Literature Study Guide is offprint from Gale's For Students Series: Presenting Analysis, Context, and Criticism on Commonly Studied Works: Introduction, Author Biography, Plot Summary, Characters, Themes, Style, Historical Context, Critical Overview, Criticism and Critical Essays, Media Adaptations, Topics for Further Study, Compare & Contrast, What Do I Read Next?, For Further Study, and Sources.

(c)1998-2002; (c)2002 by Gale. Gale is an imprint of The Gale Group, Inc., a division of Thomson Learning, Inc. Gale and Design and Thomson Learning are trademarks used herein under license.

The following sections, if they exist, are offprint from Beacham's Encyclopedia of Popular Fiction: "Social Concerns", "Thematic Overview", "Techniques", "Literary Precedents", "Key Questions", "Related Titles", "Adaptations", "Related Web Sites". (c)1994-2005, by Walton Beacham.

The following sections, if they exist, are offprint from Beacham's Guide to Literature for Young Adults: "About the Author", "Overview", "Setting", "Literary Qualities", "Social Sensitivity", "Topics for Discussion", "Ideas for Reports and Papers". (c)1994-2005, by Walton Beacham.

All other sections in this Literature Study Guide are owned and copyrighted by BookRags, Inc.

Contents

Suspended Solid Encyclopedia Article.....1

Contents.....2

Suspended Solid.....3

Suspended Solid

Refers to a solid that is suspended in a liquid. Most treatment facilities for both municipal and industrial wastewaters must meet **effluent** standards for total suspended solids (TSS). A typical TSS limit for a secondary **wastewater** treatment plant is 20 mg/L. However, some industries may have permits that allow them to **discharge** much more, for example, 500 mg/L. The test for TSS is commonly performed by filtering a known amount of water through a pre-weighed glass-fiber or 0.45 micron (µ) porosity filter. The filter with the solids is then dried in an oven (217°–221°F [103°–105°C]) and weighed. The amount of dried solid matter on the filter per amount of water originally filtered is expressed in terms of mg/L. Solids which pass through the filter in the filtrate are referred to as **dissolved solids**. Settleable solids (i.e., those that settle in a standard test within 30 minutes) are a type of suspended solids, but not all suspended solids are settleable solids.