Chart of Activated Sludge Microorganisms
• Great reference for micro examinations
• Easy-to-use predominance chart

This 2’ x 3’ wall-mount laminated chart features a compilation of photomicrographs illustrating the various microorganisms in the activated sludge process. It also pictures a relative predominance chart that shows growth relationships among organisms, along with a “Notes” section to explain some of the details regarding each microorganism. This chart is an excellent tool for explaining exactly what the “bugs” look like to visitors touring your plant.

DESCRIPTION STOCK # EACH
Chart of Activated Sludge Microorganisms 70241 $

Biological Nutrient Removal Troubleshooting Chart for Suspended Growth Systems
• A quick reference tool for wastewater treatment plants

This laminated wall chart addresses 34 specific conditions of plant upset typically associated with waste treatment facilities. The chart covers plants engaged in nitrogen conversion, as well as nitrogen and phosphorus removal through biological means. Includes a searchable CD containing valuable background information and instructions on using the chart. Chart measures 24” x 36”.

DESCRIPTION STOCK # EACH
Biological Nutrient Removal Troubleshooting Chart 70246 $

Activated Sludge Troubleshooting Chart
• Identify and correct process control problems
• Easy-to-follow flow chart
• Includes informative CD-ROM

This chart has been developed to present a clear, systematic approach to defining the exact nature of your activated sludge control problems, and suggesting actions to bring the process back to optimal condition. The colorful wall-mount chart is 2’ x 3’, and is protected with a clear laminate. The standard tests used include:
• physical observation
• settleometer
• suspended solids concentration
• pH
• DO
• respiration rate (SOUR)
• ORP
• microscopic observation with filament identification

The chart comes with a CD-ROM that further describes problematic conditions (with pictures) and corrective actions that can be taken. Revised edition; 2006.

DESCRIPTION STOCK # EACH
Activated Sludge Troubleshooting Chart and CD 70245 $

Wastewater Organisms: A Color Atlas
• Detailed photographs facilitate identification
• Describes techniques for the fixing and staining of specimens

This beautifully illustrated atlas contains over 200 high-quality full color micrographs to help in the identification of organisms found in sewage and sludge. The form and dimension of the organisms are shown in great detail, and the atlas includes coverage of bacteria, eggs, amoeba, parasitic protozoa, tardigrada, rotifers, ciliates, parasitic helminths, pollen grain, algae, flagellates and more. 48 pages, 1994.

DESCRIPTION STOCK # EACH
Wastewater Organisms: A Color Atlas 66950 $

Microscopic Examination of the Activated Sludge Process
• Shows how to analyze activated sludge with a microscope
• Contains practical hands-on tips for using a microscope

This book is a great tool for process control and troubleshooting. You can examine a sludge sample to determine the organisms it contains, and use the organisms as bioindicators that let you know if your operating conditions are optimal.

Subjects covered in this book include: microscopic measurements and techniques; directions for preparing mounts and smears; how to identify various types of organisms; and the collection, evaluation and presentation of observations. Includes numerous figures, tables and worksheets. Also includes photomicrographs and drawings of many living microscopic components of the activated sludge process. 248 pages, 2006.

DESCRIPTION STOCK # EACH
Microscopic Examination of the Activated Sludge Process 54057 $

Wastewater Microbes: A Photographic Catalog
A short, concise booklet with excellent color photomicrographs of organisms commonly observed in pretreatment and municipal wastewater treatment plants. Examples shown include bacteria, amoebae, flagellates, free ciliates, stalked ciliates, rotifers, nematodes, algae and fungi.

Brief descriptions for each organism and their role in wastewater processing are provided. Also included is a discussion on microscopes and general comments regarding the effects of microorganisms on wastewater treatment operations. 54 color pictures. 12 pages, 1997.

DESCRIPTION STOCK # EACH
Wastewater Microbes: A Photographic Catalog 68511 $