

Chapter 23 Natural Biological Processes

Introduction

Lagoons

 Description of Processes

 Unaerated Stabilization Lagoons

 Aerobic Lagoons

 Anaerobic Lagoons

 Facultative Lagoons

 Aerated Lagoons

 Physical Configuration of Lagoons

 Design Parameters

 System Start-Up

 Process Control

 Mixing

 Solids Accumulation

 Aerobic and Facultative Lagoons

 Anaerobic Lagoons

 Aerated Lagoons

 Data Collection

 Troubleshooting

 Maintenance

Land Treatment Systems

 Description of Processes

 Slow-Rate Process

 Rapid Infiltration Process

 Overland Flow Process

 Process Control

 Crops

 Wastewater

 Data Collection

 Wastewater

 Groundwater

 Soil and Vegetation

 Troubleshooting

 Maintenance

 Slow-Rate Process

 Rapid Infiltration Process

 Overland Flow Process

References