

DRAFT Need to Know for Wastewater Treatment Operator License Exams

State of Missouri Wastewater Treatment Level A Curriculum

The following items are reference materials for the Wastewater Treatment Level A examination – in addition to the following a person should understand the Wastewater Treatment Level D, Wastewater Treatment Level C and Wastewater Treatment Level B reference materials plus the following:

Operation of Wastewater Treatment Plants, Volume II, Seventh Edition - Office of Water Programs, California State University, Sacramento

Chap 12 – Sludge Digestion and Solids Handling, Lesson 5

Advanced Waste Treatment, Fifth Edition - Office of Water Programs, California State University, Sacramento

Chap 2 - Activated Sludge (Pure Oxygen & Operational Control Options)

Chap 3 - Solids Management, Lesson 5

Chap 7 - Enhanced Biological (Nutrient) Control

40 CFR 403

The following items are subjects and skills a person should know and understand before taking the Wastewater Treatment Level A examination – Need to know all Wastewater Treatment Level D, Wastewater Treatment Level C and Wastewater Treatment Level B NTK plus the following:

1. Regulations
 - a. State and Federal regulations for:
 - i. Pretreatment
 - ii. Industrial Permits
2. Biology
 - a. Filamentous
3. Mathematics
 - a. MCRT
 - b. Organic loading
 - c. SDI
4. Treatment Plant Operation
 - a. Nutrient control