

**GRADE I
WWTP OPERATOR
EXAMINATION INFORMATION**

The Grade I examination contains questions regarding the following subjects: basic safety practices, hazards encountered during wastewater treatment plant operations, sampling and simple analysis of wastewater constituents, operation and maintenance procedures in preliminary and primary treatment unit processes, anaerobic sludge digestion and disinfection.

It also includes specific questions on the operation and maintenance of wastewater stabilization ponds and state regulations regarding the classification of wastewater treatment plants and operator certification.

The Grade I examination also contains mathematical questions. Examinees may be asked to calculate a variety of problems including chlorine demand/residual, overflow rates, removal efficiency (% removal), pumping rate, solids concentration, detention time, hydraulic or organic loading rates and volume or surface area. The examinee should be familiar with typical calculations related to the subject matter listed in paragraph 1.

Examinees are given 2 ½ hours to complete the examination. The question format is as follows:

45 True/False Questions	@	1 point each
25 Multiple Choice Questions	@	2 points each
10 Math Problems	@	4 points each

TOTAL POINTS 135

Passing Score: To pass, you must achieve:

- (a) a minimum total score of 94.5 points (70 percent), AND
- (b) a score of at least 20 points (50 percent) on the ten Math Questions.