



Memo

To: Steve Brockway
From: Gina Enriquez
CC: Ron Penrose
Date: September 29, 2008
Re: September 17, 2008 Treatment Operator Certification Exam Analysis

The following results are from the June testing cycle which is divided into three regional areas: Northern, Central and Southern Nevada. These results are in addition to the Distribution results sent in a separate Memo. The exam results were reviewed and an analysis was completed based on the September 17, 2008 exam scores for Water Treatment Operators of Nevada. For each testing cycle, the intention of each analysis is to provide instructors with feedback on areas of deficiencies identified for the state.

Grade I – Treatment

Northern Nevada had the following topics as the most missed on the Grade I Water Treatment Operator Exam:

Distribution System Operation; Water Treatment Plant Operation

- ◆ Safety
- ◆ Water Treatment Mathematics
- ◆ Treatment Types and Processes
- ◆ Filtration
- ◆ Sources of Supply
- ◆ Water Quality

Central Nevada had the following topics as the most missed on the Grade I Water Treatment Operator Exam:

- ◆ There were no examinees for this area for the September 17, 2008 testing

Southern Nevada had the following topics as the most missed on the Grade I Water Treatment Operator Exam:

- ◆ Water Treatment Mathematics
- ◆ Treatment Types and Processes
- ◆ Water Quality
- ◆ Pumps and Motors
- ◆ Filtration
- ◆ Sources of Supply
- ◆ Safety
- ◆ Disinfection
- ◆ Water Treatment Plant Operation

Grade II - Treatment

Northern Nevada had the following topics as the most missed on the Grade II Water Treatment Operator Exam:

- ◆ Treatment Types and Processes
- ◆ Water Quality
- ◆ Water Treatment Plant Operation
- ◆ Sources of Supply
- ◆ Disinfection
- ◆ Water Treatment Mathematics

Central Nevada had the following topics as the most missed on the Grade II Water Treatment Operator Exam:

- ◆ There were no examinees for this area for the September 17, 2008 testing

Southern Nevada had the following topics as the most missed on the Grade II Water Treatment Operator Exam:

- ◆ Disinfection
- ◆ Water Quality
- ◆ Water Treatment Plant Operation
- ◆ Safety
- ◆ Treatment Types and Processes
- ◆ Filtration
- ◆ Water Treatment Mathematics
- ◆ Distribution System Operation; Water Treatment Plant Operation

Grade III – Treatment

Northern Nevada had the following topics as the most missed on the Grade III Water Treatment Operator Exam:

- ◆ Safety
- ◆ Water Quality
- ◆ Disinfection
- ◆ Water Treatment Plant Operation
- ◆ Treatment Types and Processes
- ◆ Filtration
- ◆ Water Treatment Mathematics
- ◆ Pumps and Motors

Central Nevada had the following topics as the most missed on the Grade III Water Treatment Operator Exam:

- ◆ There were no examinees for this area for the September 17, 2008 testing cycle

Southern Nevada had the following topics as the most missed on the Grade III Water Treatment Operator Exam:

- ◆ Disinfection
- ◆ Water Quality
- ◆ Water Treatment Plant Operation
- ◆ Water Treatment Mathematics
- ◆ Filtration
- ◆ Distribution System Operation; Water Treatment Plant Operation
- ◆ Pumps and Motors

Grade IV – Treatment

We hope this will assist in providing the necessary information to educational providers.

Northern Nevada had the following topics as the most missed on the Grade IV Water Treatment Operator Exam:

- ◆ **Filtration**
- ◆ **Water Quality**
- ◆ **Water Treatment Mathematics**
- ◆ **Treatment Types and Processes**
- ◆ **Distribution System Operation; Water Treatment Plant Operation**
- ◆ **Disinfection**
- ◆ **Water Treatment Plant Operation**
- ◆ **Utility Management**

Central Nevada had the following topics as the most missed on the Grade IV Water Treatment Operator Exam:

- ◆ **There were no examinees for this area for the September 17, 2008 testing cycle**

Southern Nevada had the following topics as the most missed on the Grade IV Water Treatment Operator Exam:

- ◆ **Water Treatment Mathematics**
- ◆ **Water Quality**
- ◆ **Treatment Types and Processes**
- ◆ **Disinfection**
- ◆ **Filtration**
- ◆ **Utility Management**
- ◆ **Water Treatment Plant Operation**
- ◆ **Distribution System Operation; Water Treatment Plant Operation**
- ◆ **Safety**