



Memo

To: Ron Penrose
From: Gina Enriquez
CC: Jennifer Carr
Date: October 15, 2009
Re: September 23, 2009 Exam Analysis Pass/Failure Rate

Water Distribution - Entire State:

35 Passed the Exam
35 Failed the Exam

By Regions-

Northern NV:
Passing Rate of 45%
Failure Rate of 55%

Southern NV:
Passing Rate of 62%
Failure Rate of 38%

Water Treatment - Entire State:

24 Passed the Exam
12 Failed the Exam

By Regions-

Northern NV:
Passing Rate of 67%
Failure Rate of 33%

Southern NV:
Passing Rate of 67%
Failure Rate of 33%



Memo

To: Ron Penrose
From: Gina Enriquez
CC: Jennifer Carr
Date: 10/15/09
Re: September 23, 2009 Analysis Pass/Failure Rate by Discipline

Water Distribution - Entire State:

35 Passed the Exam
35 Failed the Exam

By Discipline Pass/Failure

D1

15 Passed
16 Failed

D2

15 Passed
7 Failed

D3

4 Passed
4 Failed

D4

1 Passed
8 Failed

Water Treatment - Entire State:

24 Passed the Exam
12 Failed the Exam

By Discipline Pass/Failure

T1

10 Passed
2 Failed

T2

10 Passed
6 Failed

T3

3 Passed
1 Failed

T4

1 Passed
3 Failed



California-Nevada Section
American Water Works Association

**SEPTEMBER 2009 STATE OF NEVADA DISTRIBUTION OPERATOR CERTIFICATION
MOST MISSED TOPICS BY GRADE**

**GRADE I –
DISTRIBUTION**

- ◆ INSTALL EQUIPMENT MATH
- ◆ MAINTAIN EQUIPMENT MATH
- ◆ MAINTAIN EQUIPMENT
- ◆ DISINFECTION
- ◆ DISINFECTION MATH
- ◆ PERFORM SECURITY PROCEDURES
- ◆ SYSTEM INSPECTION

**GRADE II –
DISTRIBUTION**

- ◆ PERFORM ADMINISTRATIVE DUTIES
- ◆ DRINKING WATER REGULATIONS
- ◆ EVALUATE OPERATION OF EQUIPMENT
- ◆ MAINTAIN EQUIPMENT MATH
- ◆ PERFORM SECURITY & SAFETY PROCEDURES

**GRADE III –
DISTRIBUTION**

- ◆ PERFORM ADMINISTRATIVE DUTIES - MATH
- ◆ DRINKING WATER REGULATIONS
- ◆ EVALUATE EQUIPMENT MATH
- ◆ DISINFECTION
- ◆ DISINFECTION MATH
- ◆ OPERATE EQUIPMENT
- ◆ PERFORM SECURITY PROCEDURES
- ◆ SYSTEM DESIGN MATH
- ◆ SYSTEM INSPECTION
- ◆ SYSTEM INSPECTION – MATH
- ◆ WATER QUALITY MATH
- ◆ WATER QUALITY

**Grade IV –
Distribution**

- ◆ DRINKING WATER REGULATIONS
- ◆ INSTALL EQUIPMENT MATH
- ◆ MAINTAIN EQUIPMENT MATH
- ◆ MAINTAIN EQUIPMENT
- ◆ DISINFECTION
- ◆ DISINFECTION MATH
- ◆ OPERATE EQUIPMENT MATH
- ◆ OPERATE EQUIPMENT
- ◆ SYSTEM DESIGN MATH
- ◆ WATER QUALITY



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**SEPTEMBER 2009 STATE OF NEVADA TREATMENT OPERATOR CERTIFICATION
MOST MISSED TOPICS BY GRADE**

Grade I – Treatment

- ◆ PROCESS CONTROL LABORATORY ANALYSIS

Grade II – Treatment

- ◆ DRINKING WATER REGULATIONS
- ◆ CLARIFICATION / SEDIMENTATION
- ◆ FILTRATION
- ◆ FILTRATION-MATH
- ◆ OTHER TREATMENT PROCESSES

Grade III – Treatment

- ◆ PERFORM ADMINISTRATIVE DUTIES-MATH
- ◆ PROCESS CONTROL LABORATORY ANALYSIS
- ◆ CHEMICAL TREATMENT / ADDITION-MATH
- ◆ CHEMICAL TREATMENT / ADDITION
- ◆ CLARIFICATION / SEDIMENTATION-MATH
- ◆ COAGULATION AND FLOCCULATION
- ◆ FILTRATION
- ◆ FILTRATION-MATH
- ◆ RESIDUALS DISPOSAL
- ◆ GENERAL MATH
- ◆ PERFORM SECURITY & SAFETY PROCEDURES
- ◆ PERFORM SECURITY PROCEDURES

Grade IV – Treatment

- ◆ PERFORM ADMINISTRATIVE DUTIES
- ◆ DRINKING WATER REGULATIONS
- ◆ CHEMICAL TREATMENT / ADDITION-MATH
- ◆ CHEMICAL TREATMENT / ADDITION
- ◆ COAGULATION AND FLOCCULATION
- ◆ COAGULATION AND FLOCCULATION-MATH
- ◆ FILTRATION
- ◆ OTHER TREATMENT PROCESSES
- ◆ OTHER TREATMENT PROCESSES-MATH
- ◆ RESIDUALS DISPOSAL
- ◆ OPERATE EQUIPMENT MATH
- ◆ PERFORM SECURITY & SAFETY PROCEDURES