

Umpqua Basin Operators Section PNCWA

Wastewater Exam Preparation Course

WASTEWATER TREATMENT AND COLLECTIONS – Grade I/II

Tentative Time	Subject – March 24
08:00	Introduction to the Grade I/II Exam
08:30	Sanitary Sewer Volumes, Flows, and Velocities
09:30	Quiz 1 - Sanitary Sewer Volumes, Flows, and Velocities
10:00	Break
10:15	Davidson Pie Method for Determining Mass, Concentration, Volume (and flow)
11:00	Influent Loading, Preliminary Treatment, and Primary Treatment
11:30	Quiz 2 – Mass, Concentration, Influent & Primary Treatment
12:00	Lunch
13:00	Wastewater Maintenance & Safety
13:30	Collection System Inspection & Cleaning Systems
14:15	Wastewater Solids Handling
14:45	Quiz #3 – Maintenance, Safety, Collection System Inspection & Cleaning, and Solids Handling
15:15	Break
15:30	Day 1 Exam – Timed (50 minutes)
16:20	Exam Review
16:45	Closing Discussions, Questions, and Unfinished Business
17:00	End of Day

Tentative Time	Subject – March 25
08:00	Pumps and Lift Stations
09:30	Quiz #4 – Pumps and Lift Stations
10:00	Break
10:15	Secondary Treatment Systems
11:30	Quiz #5 – Secondary Treatment Systems
12:00	Lunch
13:00	Sanitary Sewer Construction
14:00	Wastewater Disinfection
14:45	Laboratory Testing
15:00	Break
15:15	Day 2 Exam – Timed (60 minutes)
16:15	Exam Review
16:45	Closing Discussions, Questions, and Unfinished Business
17:00	End of Course