STUDYING FOR ABC WASTEWATER EXAMS

The specifications list the percentage or number of questions on the exam that fall under each job duty.

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<td>Evaluate Incoming Wastestream/Sidestream Characteristics</td>
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<tr>
<td>Monitor, Evaluate and Adjust Treatment Processes</td>
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<tr>
<td>Evaluate and Maintain Equipment</td>
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<tr>
<td>Operate Equipment</td>
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<tr>
<td>Collect Samples and Interpret Analysis</td>
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<td>5</td>
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<tr>
<td>Perform Laboratory Analysis</td>
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<tr>
<td>Perform Security, Safety and Administrative Procedures</td>
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</tbody>
</table>

Suggested Treatment Exam References:

The following are approved as reference sources for the ABC wastewater treatment examinations. Operators should use the latest edition of these reference sources to prepare for the exam.

California State University, Sacramento Foundation, Office of Water Programs (www.owp.csus.edu)
- Operation of Wastewater Treatment Plants, Volume I and II
- Advanced Waste Treatment
- Utility Management

Water Environment Federation (WEF) (www.wef.org)
- Operation of Municipal Wastewater Treatment Plants - Manual of Practice No. 11
- Prime Movers: Engines, Motors, Turbines, Pumps, Blowers & Generators. Manual of Practice OM-5
- Safety & Health in Wastewater Systems - Manual of Practice No. 1
- Activated Sludge - Manual of Practice OM-9
- Managing the Water and Wastewater Utility

Regulations
- Code of Federal Regulations, Title 40 (www.gpo.gov)
- State Regulations: http://www.deq.state.or.us/wq/

Study Guides
- Wastewater Operators Guide to Preparing for the Certification Examination, WEF/Association of Boards of Certification (ABC) (www.wef.org)
Suggested Wastewater Treatment Exam References (continued)

Michigan State University
• *Supervisory Management in the Water/Wastewater Field* ([www.smwwf.vu.msu.edu/preview/smwwf.html](http://www.smwwf.vu.msu.edu/preview/smwwf.html))

National Environmental Training Center for Small Communities (NETCSC)
• *Protecting Your Community’s Assets: A Guide for Small Wastewater Systems* ([www.nesc.wvu.edu/netcsc/netcsc_index.htm](http://www.nesc.wvu.edu/netcsc/netcsc_index.htm))

### ABC Collection Exam Specifications

<table>
<thead>
<tr>
<th>Activity</th>
<th>Grade I</th>
<th>Grade II</th>
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<tbody>
<tr>
<td>Operate Equipment</td>
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<td>Evaluate and Maintain Equipment</td>
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<tr>
<td>Maintain and Restore Collection System</td>
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<tr>
<td>Maintain Lift Stations</td>
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</tr>
<tr>
<td>Monitor, Evaluate and Adjust Collection System</td>
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<td>25</td>
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<tr>
<td>Perform Security, Safety and Administrative Duties</td>
<td>15</td>
<td>15</td>
<td>20</td>
<td>20</td>
</tr>
</tbody>
</table>

### Suggested Collection Exam References:

The following are approved as reference sources for the ABC collection examinations. Operators should use the latest edition of these reference sources to prepare for the exam.

California State University, Sacramento Foundation, Office of Water Programs ([www.owp.csus.edu](http://www.owp.csus.edu))
• *Operation of Wastewater Treatment Plants, Volume I and II*
• *Operation and Maintenance of Wastewater Collection Systems, Volume I and II*
• *Utility Management*

Water Environment Federation ([www.wef.org](http://www.wef.org))
• *Operation of Municipal Wastewater Treatment Plants - Manual of Practice No. 11*
• *Prime Movers: Engines, Motors, Turbines, Pumps, Blowers & Generators - Manual of Practice OM-5*
• *Safety & Health in Wastewater Systems, Manual of Practice No. 1*
• *Existing Sewer Evaluation and Rehabilitation - Manual of Practice FD-6*
• *Wastewater Collection Systems Management - Manual of Practice No. 7*

Regulations
• *Code of Federal Regulations*, Title 40 ([www.gpo.gov](http://www.gpo.gov))
• State regulations: [http://www.deq.state.or.us/wq/](http://www.deq.state.or.us/wq/)

Study Guides

Questions regarding exam content should be addressed to DEQ, Wastewater Operator Certification Program, email opcert@deg.state.or.us or phone 503.229.6824.

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