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**TEST INFORMATION GUIDE**

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This test information guide summarizes the concepts that are assessed by the multiple-choice examination for the **Environmental Protection Specialist II** title. This information can be reviewed in combination with the class specification and examination announcement to assist you in preparing for the examination.

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**I. READING COMPREHENSION (26 Questions)**

An employee in this job spends a large amount of time interpreting highly complex technical, scientific and legal information. In order to accomplish this important task, the ability to read, understand and interpret written material is an essential job attribute to possess at the time of hire.

Test questions in this test section require you to read short passages and choose the most correct interpretation of the information presented in the passage. The answers to these questions are not explicit. The reader must infer the meaning of the passage. Questions in this test section require interpretation similar to that used to discern the meaning of a parable, analogy or metaphor.

**II. ENVIRONMENTAL SCIENCE (16 Questions)**

Employees in this job spend a significant amount of time preparing, analyzing, and interpreting scientific data. An employee in this position must be familiar the principles of chemistry, laboratory equipment, experimental test strips, elements, compounds, scientific mathematics and terminology associated with chemistry. Test question topics include:

- Prefixes and suffixes associated with chemical compounds;
- Types of chemical compounds;
- Classification of chemical compounds;
- General principles of chemistry;
- Periodic Table of Elements;
- Scientific measurement;
- Uses of common chemicals;
- Stoichiometry.

**III. TECHNICAL REPORT WRITING (10 Questions)**

Employees in this job are responsible for preparing technical reports which document how an experiment was conducted and explain the impact of the experimental results. It is imperative that these reports are organized and well written. The questions in this test section assess the ability to write clear, concise reports which explain experimental results so that they may be readily understood. Test questions topics include:

- Citations;
- Chart/table usage;
- Report organization and structure;
- Writing style.

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#### **IV. ADDITIONAL READING COMP. & REPORT WRITING QUESTIONS (6 Questions)**

Additional test questions relative to reading comprehension and technical report writing.

Topics include:

- Interpretation of complex passages;
- Spelling;
- Tables and charts.

#### **V. ADDITIONAL ENVIRONMENTAL SCIENCE QUESTIONS (4 Questions)**

Additional test questions relative to environmental science. Topics include:

- Dissolution, vaporization, liquefaction, diffusion of mixtures, gases and solids;
- Organic and inorganic compounds;
- Water pollution;
- Elemental properties.