



## CONTRACTORS STATE LICENSE BOARD LICENSE EXAMINATION STUDY GUIDE



### HAZARDOUS SUBSTANCE REMOVAL

#### Content of the Examination

The Hazardous Substance Removal Examination is divided into five major sections:

##### 1. Planning and Estimation (33%)

- Planning hazardous substance projects
- Estimating hazardous substance projects

##### 2. Hazardous Substance Management (38%)

- Site preparation
- Mitigation
- Remediation
- Waste management

##### 3. Storage Tank Installation and Upgrade (7%)

- Tank installation
- Tank upgrade

##### 4. Storage Tank Removal and Closure (6%)

- Tank removal
- Tank closure

##### 5. Safety (16%)

- Safety preparation
- Safety implementation

*\*Percentages are approximate\**

#### Test Site Policy

This is a closed-book examination. No reference materials may be used during the examination. All materials brought to the examination site must be left in an unmonitored area at your own risk.

#### Test Strategy

This is a multiple-choice examination with four choices per question. Examination questions are written to provide only one BEST answer. Some questions require mathematical computation. A calculator will be provided.

There is no penalty for guessing. If you are unsure about a particular question, it is better to try to answer the question than to leave the question blank.

Plenty of time is provided to answer all examination questions, so be sure to read each question and its four choices completely and carefully before selecting the BEST possible answer to the question.

## Sample Questions

Below are three typical examination questions. The correct answer is underlined.

1. Which of the following actions must be taken before transporting a removed UST?
  - a. Collect soil samples from the tank bottom.
  - b. Provide a vent hole in a tank plug.
  - c. Collect water samples from the rinse water.
  - d. Backfill the hole.
2. In order to read and properly interpret laboratory analysis reports as they apply to hazardous sites, a contractor should have which of the following?
  - a. The phone number of a contact at the lead agency
  - b. Basic knowledge of math
  - c. A contact at Cal/OSHA
  - d. Basic knowledge of chemistry and the measurements used
3. Which of the following prevents an employee from wearing a respirator?
  - a. Having diabetes
  - b. Having a cold
  - c. Having a cough
  - d. Having a beard

*\*All questions are written and reviewed by licensed contractors who are actively working in the trade\**

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## Resources

*Publisher information for reference books and code is provided below. Other sources for reference books may be found online. **California code books can be viewed online: [www.bsc.ca.gov](http://www.bsc.ca.gov)***

**Federal Regulations (CFR), Title 29, Pt. 1900 to 1910 (especially 1910.120 Hazardous Waste Operations and Emergency Response).**

PHONE: (886) 512-1800

INTERNET: <http://bookstore.gpo.gov>

VIEW ONLINE: [www.osha.gov](http://www.osha.gov)

**Installation of Underground Petroleum Product Storage Systems.** American Petroleum Institute.

PHONE: (202) 682-8000

INTERNET: [www.api.org/Publications](http://www.api.org/Publications)

**Leaking Underground Fuel Tank (LUFT) Guidance Manual.**

State Water Resources Control Board.

PHONE: (916) 341-5254

INTERNET:

[www.swrcb.ca.gov/ust/luft\\_manual.shtml](http://www.swrcb.ca.gov/ust/luft_manual.shtml)

**Remedial Action at Waste Disposal Sites: Handbook (Revised)(PB87201034).** U.S.

Department of Commerce, National Technical Information Service.

PHONE: (800) 553-6847

INTERNET: [www.ntis.gov](http://www.ntis.gov)

**Resource Conservation and Recovery Act (RCRA) Orientation Manual.** U.S. Environmental Protection Agency.

PHONE: (800) 490-9198

INTERNET: [www.epa.gov/rcraonline](http://www.epa.gov/rcraonline)

**State of California General Industry & Electrical Safety Orders (Cal/OSHA) and State of California Construction & Electrical Safety Orders (Cal/OSHA). 2015.** California Code of Regulations, Title 8. Mancomm.

PHONE: (877) 626-2666

INTERNET: [www.mancomm.com](http://www.mancomm.com)

**Underground Service Alert Guidelines.**

California Government Code 4216 and California Business & Professions Code 7110.

PHONE: (800) 227-2600 OR 811

INTERNET: [www.usanorth.org](http://www.usanorth.org) OR [www.digalert.org](http://www.digalert.org)

*\*Publisher information is current as of 12/16\**