



## AN INTRODUCTION TO RADIOACTIVE WASTES

This course offers an overview of the production, storage, transportation, and disposal of commercial and defense radioactive wastes. The target audience includes landfill operators, public works officials, and hazardous materials personnel.

*TOTAL TIME: 8 HOURS*

## NUC-0301 SCHEDULE

- Radioactive Waste
  - Overview
  - Laws and Regulations
    - AEC
    - DOE
    - NRC
  - Radioactivity
- Radiation
  - Types
  - Biological Effects
  - Risks
  - Protection
- Fission and Fission Products
- Defense Activities of the Last Century
  - The Manhattan Project
  - The Atomic Bomb
  - Nuclear Reactors
  - Project Plowshare
  - Wastes
  - Research
- Other Uses of Isotopes and Radiation
- Radioactive Wastes
  - Defense
  - Commercial
    - Types
    - Treatment
    - Storage
      - Early Methods
      - Current Methods
      - Sites
      - Concerns

ESRA Consulting Corporation  
1650 South Dixie Highway • Boca Raton, Florida 33432  
telephone: (561) 361-0004 • fax: (520) 844-8555  
http://www.esracorp.com • e-mail: registration@esracorp.com



- Radioactive Wastes
  - Transportation
    - Types
    - Containment
    - Tests
    - Proposals
    - Emergency Preparedness
    - Concerns
  - Uranium Mill Tailings
  - Spent Fuel
    - Nuclear Reactors
    - Storage
    - Reprocessing
    - Transportation
    - Emergency Preparedness
    - Concerns
  - Disposal
    - Early Site Proposals
    - Geologic sites
    - Low-Level Wastes
    - Transuranic wastes
    - Spent Fuel/ High-Level Wastes
    - Concerns
  - Future Options
  - Public perspectives, concerns, and participation
  - Review
  - Test
  - Solutions
  - Course Evaluation
  -

A one-hour lunch break is provided.

All students may receive:

- Seminar Workbook and Handouts
- [DOT](#) Transportation Security Awareness CD
- Certificate of Completion (to participants who achieve 80% or higher on the final test)
- Certificate of Attendance (to participants who do not achieve 80% or higher on the final test).

Students must be present for the entire duration of the class to receive a certificate.

ESRA Consulting Corporation  
1650 South Dixie Highway • Boca Raton, Florida 33432  
telephone: (561) 361-0004 • fax: (520) 844-8555  
http://www.esracorp.com • e-mail: registration@esracorp.com



## REGISTRATION

Full Name: \_\_\_\_\_

Title/ Position: \_\_\_\_\_

Name Tag: \_\_\_\_\_

Company/ Institution/ Organization: \_\_\_\_\_

E-mail: \_\_\_\_\_

Telephone: \_\_\_\_\_

Fax: \_\_\_\_\_

Billing Addressee: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_

Zip Code: \_\_\_\_\_

Shipping/ Mailing Address: (where ESRA will send receipt and confirmation)  
Check if *same as above*: \_\_\_\_\_

\_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_

Zip Code: \_\_\_\_\_

Course Title: \_\_\_\_\_

Course Number: \_\_\_\_\_ - \_\_\_\_\_ Dates of Preference \_\_\_\_\_ 2005

Location \_\_\_\_\_

Payment Total: US \$ \_\_\_\_\_

Payment Type: \_\_\_\_\_ Check (payable to ESRA) \_\_\_\_\_ Money Order

**Fax this form to: (520) 844-8555**

**Send payment to:** ESRA Consulting Corporation  
Training Division  
1650 South Dixie Highway, Third Floor  
Boca Raton, Florida 33432

**Payment is due 15 days prior to the course date.**

**Cancellation Policy:** The course fee (minus a \$100 handling charge) will be refunded for cancellation notice received fourteen (14) days prior to the course date. The fee is transferable to another course within twelve (12) months after that date.

**Other Terms and Conditions:** In an effort to commit to the highest quality services, ESRA requires groups to have a minimum of ten (10) people per course. Additional charges apply to other locations, including corporate sites, outside the Boca Raton, Florida areas. Please call (561) 361-0004 for further details.