General Services Administration
Federal Supply Service

Authorized Federal Supply Schedule Price List

On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order are available through GSA Advantage®, a menu-driven database system. The INTERNET address GSA Advantage® is: GSAAdvantage.gov.

Multiple Award Schedule

FSC Group: Professional Services
Contract number: 47QRAA22D003B

Contract period: December 15, 2021 – December 14, 2026

Aarcher, Inc.
2635 Riva Road, Suite 100
Annapolis, MD 21401
410-897-9100

Aarcherinc.com

Contract Administrator:
Craig Schwartz, CHMM, CPEA
cschwartz@aarcherinc.com
410-897-9100 x 103

Small Business

For more information on ordering from Federal Supply Schedules go to the GSA Schedules page at GSA.gov.

Price list current as of Modification #PO-0001 effective December 16, 2021

Prices Shown Herein are Net (discount deducted)
CUSTOMER INFORMATION

1a. Table of awarded special item number(s) with appropriate cross-reference to item descriptions and awarded price(s).

<table>
<thead>
<tr>
<th>SINs</th>
<th>Recovery</th>
<th>SIN Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>541620</td>
<td>541620RC</td>
<td>Environmental Consulting Services</td>
</tr>
<tr>
<td>611430</td>
<td>611430RC</td>
<td>Professional and Management Development Training</td>
</tr>
<tr>
<td>OLM</td>
<td>OLMRC</td>
<td>Order-Level Materials (OLM’s)</td>
</tr>
</tbody>
</table>

1b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract. This price is the Government price based on a unit of one, exclusive of any quantity/dollar volume, prompt payment, or any other concession affecting price. Those contracts that have unit prices based on the geographic location of the customer, should show the range of the lowest price, and cite the areas to which the prices apply. See Page 4

1c. If the Contractor is proposing hourly rates, a description of all corresponding commercial job titles, experience, functional responsibility and education for those types of employees or subcontractors who will perform services shall be provided. If hourly rates are not applicable, indicate “Not applicable” for this item. See Page 7

2. Maximum order:

<table>
<thead>
<tr>
<th>SINs</th>
<th>Maximum Order</th>
</tr>
</thead>
<tbody>
<tr>
<td>541620</td>
<td>$1,000,000</td>
</tr>
<tr>
<td>611430</td>
<td>$1,000,000</td>
</tr>
<tr>
<td>OLM</td>
<td>$250,000</td>
</tr>
</tbody>
</table>

3. Minimum order: $100

4. Geographic coverage (delivery area). Worldwide

5. Point(s) of production. Same as Company Address

6. Discount from list prices or statement of net price. Government Net Prices (discounts already deducted.)

7. Quantity discounts. None

8. Prompt payment terms. Information for Ordering Offices: Prompt payment terms cannot be negotiated out of the contractual agreement in exchange for other concessions. Net 30 days

9. Foreign items (list items by country of origin). Not Applicable
10a. Time of delivery. (Contractor insert number of days.) To Be Determined at the Task Order level

10b. Expedited Delivery. Items available for expedited delivery are noted in this price list. To Be Determined at the Task Order level

10c. Overnight and 2-day delivery. To Be Determined at the Task Order level

10d. Urgent Requirements. To Be Determined at the Task Order level

11. F.O.B. point(s) Destination

12a. Ordering address(es). Same as Company Address

12b. Ordering procedures: For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA’s) are found in Federal Acquisition Regulation (FAR) 8.405-3.

13. Payment address(es). Same as Company Address

14. Warranty provision. Standard Commercial Warranty

15. Export packing charges, if applicable. Not Applicable

16. Terms and conditions of rental, maintenance, and repair (if applicable). Not Applicable

17. Terms and conditions of installation (if applicable). Not Applicable

18a. Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices (if applicable). Not Applicable

18b. Terms and conditions for any other services (if applicable). Not Applicable

19. List of service and distribution points (if applicable). Not Applicable

20. List of participating dealers (if applicable). Not Applicable

21. Preventive maintenance (if applicable). Not Applicable

22a. Special attributes such as environmental attributes (e.g., recycled content, energy efficiency, and/or reduced pollutants). Not Applicable

22b. If applicable, indicate that Section 508 compliance information is available on Electronic and Information Technology (EIT) supplies and services and show where full details can be found (e.g. contractor’s website or other location.) The EIT standards can be found at: www.Section508.gov/. Not Applicable
23. Unique Entity Identifier (UEI) number. **00-8184819**

24. Notification regarding registration in System for Award Management (SAM) database. **Contractor registered and active in SAM**

SERVICES PRICING SCHEDULE - SEE Page for 7 Labor Category Descriptions

<table>
<thead>
<tr>
<th>Labor Category</th>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
<th>Year 5</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>GSA PRICE + IFF</td>
<td>GSA PRICE + IFF</td>
<td>GSA PRICE + IFF</td>
<td>GSA PRICE + IFF</td>
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<tr>
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<tr>
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<td>$138.93</td>
<td>$142.82</td>
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<td>$150.93</td>
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<td>$202.03</td>
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<td>$166.54</td>
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<td>$118.05</td>
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<tr>
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<td>$96.50</td>
<td>$99.20</td>
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<tr>
<td>Environmental Protection Assistant II</td>
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<td>$75.80</td>
<td>$77.92</td>
<td>$80.10</td>
<td>$82.34</td>
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<tr>
<td>Environmental Protection Assistant I</td>
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<tr>
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<tr>
<td>Scientist I</td>
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<td>Subject Matter Expert II</td>
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<td>Year 1</td>
<td>Year 2</td>
<td>Year 3</td>
<td>Year 4</td>
<td>Year 5</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>-----------</td>
<td>-----------</td>
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<tr>
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<td>$138.93</td>
<td>$142.82</td>
<td>$146.82</td>
<td>$150.93</td>
</tr>
<tr>
<td>Engineer/Planner II</td>
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<td>$93.87</td>
<td>$96.50</td>
<td>$99.20</td>
<td>$101.98</td>
</tr>
<tr>
<td>Engineer/Planner I</td>
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<td>$77.92</td>
<td>$80.10</td>
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<tr>
<td>Cultural Resource Specialist IV</td>
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<td>$203.57</td>
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<td>Cultural Resource Specialist III</td>
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<td>$89.74</td>
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<td>$77.92</td>
<td>$80.10</td>
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<tr>
<td>Training Specialist IV</td>
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<td>$143.37</td>
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<td>$87.30</td>
<td>$89.74</td>
<td>$92.25</td>
<td>$94.84</td>
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<td>Training Specialist I**</td>
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<td>$75.80</td>
<td>$77.92</td>
<td>$80.10</td>
<td>$82.34</td>
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<tr>
<td>Technician III</td>
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<td>$94.23</td>
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<td>$138.93</td>
<td>$142.82</td>
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<td>Support Staff III**</td>
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<td>$96.50</td>
<td>$99.20</td>
<td>$101.98</td>
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<tr>
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<td>$75.80</td>
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<td>$80.10</td>
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<td>Support Staff I**</td>
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<td>$60.33</td>
<td>$62.02</td>
<td>$63.76</td>
<td>$65.54</td>
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</tbody>
</table>
Service Contract Labor Standards Matrix:

<table>
<thead>
<tr>
<th>SCLS Eligible Contract Labor Category/Fixed Price Service</th>
<th>SCLS Equivalent Code Title</th>
<th>WD Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Support Staff I</td>
<td>01111 – General Clerk I</td>
<td>2015-5419</td>
</tr>
<tr>
<td>Support Staff II</td>
<td>01112 – General Clerk II</td>
<td>2015-5419</td>
</tr>
<tr>
<td>Support Staff III</td>
<td>01113 – General Clerk III</td>
<td>2015-5419</td>
</tr>
<tr>
<td>Cultural Resource Specialist I</td>
<td>30021 – Archeological Technician I</td>
<td>2015-5419</td>
</tr>
<tr>
<td>Technician I</td>
<td>30081 – Engineering Technician I</td>
<td>2015-5419</td>
</tr>
<tr>
<td>Technician II</td>
<td>30082 – Engineering Technician II</td>
<td>2015-5419</td>
</tr>
<tr>
<td>Technician III</td>
<td>30083 – Engineering Technician III</td>
<td>2015-5419</td>
</tr>
</tbody>
</table>

The Service Contract Labor Standards, formerly the Service Contract Act (SCA), apply to this contract and it includes SCLS applicable labor categories. Labor categories and fixed price services marked with a (**) in this pricelist are based on the U.S. Department of Labor Wage Determination Number(s) identified in the SCLS/SCA matrix. The prices awarded are in line with the geographic scope of the contract (i.e., nationwide).

**TRAINING COURSE PRICING – SEE Page 12 for Training Course Descriptions**

<table>
<thead>
<tr>
<th>Course Title*</th>
<th>Course Description*</th>
<th>Course Length*</th>
<th>Minimum Participants</th>
<th>Maximum Participants</th>
<th>GSA PRICE (including IFF)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tanks Compliance Manager</td>
<td>Aboveground and underground storage tank requirements course</td>
<td>2 days</td>
<td>5</td>
<td>250</td>
<td>$1,110.53</td>
</tr>
<tr>
<td>Industrial Stormwater Compliance Manager</td>
<td>Industrial stormwater discharge requirements course</td>
<td>2 days</td>
<td>5</td>
<td>250</td>
<td>$938.06</td>
</tr>
<tr>
<td>SPCC Compliance Manager</td>
<td>SPCC plan and implementation requirements course</td>
<td>2 days</td>
<td>5</td>
<td>250</td>
<td>$938.06</td>
</tr>
<tr>
<td>NEPA Navigator</td>
<td>NEPA analysis, documentation, and compliance course</td>
<td>3 days</td>
<td>5</td>
<td>250</td>
<td>$1,110.53</td>
</tr>
<tr>
<td>Hazardous Waste Compliance Manager</td>
<td>Hazardous waste identification, accumulation, and management</td>
<td>1 day</td>
<td>5</td>
<td>250</td>
<td>$419.81</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 days</td>
<td>5</td>
<td>250</td>
<td>$839.63</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 days</td>
<td>5</td>
<td>250</td>
<td>$1,178.68</td>
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<tr>
<td></td>
<td></td>
<td>4 days</td>
<td>5</td>
<td>250</td>
<td>$1,426.86</td>
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<tr>
<td></td>
<td></td>
<td>All 5 days</td>
<td>5</td>
<td>250</td>
<td>$1,638.87</td>
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<tr>
<td>EPCRA Planning &amp; Reporting Manager</td>
<td>EPCRA reporting and compliance course</td>
<td>2 days</td>
<td>2</td>
<td>250</td>
<td>$853.93</td>
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<tr>
<td>Course Description</td>
<td>Duration</td>
<td>Participants</td>
<td>Cost</td>
<td></td>
<td></td>
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<td>--------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Applied Chemistry for EHS Professionals</td>
<td>3 days</td>
<td>5</td>
<td>$1,367.13</td>
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<tr>
<td>Wastewater Compliance Manager</td>
<td>2 days</td>
<td>5</td>
<td>$1,110.53</td>
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<td>Clean Air Compliance Manager</td>
<td>3 days</td>
<td>5</td>
<td>$1,367.13</td>
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<tr>
<td>Auditing for Environmental Compliance</td>
<td>2 days</td>
<td>5</td>
<td>$1,110.53</td>
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<tr>
<td>The Original Environmental Compliance Bootcamp</td>
<td>4 days</td>
<td>5</td>
<td>$1,539.60</td>
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<table>
<thead>
<tr>
<th>Labor Category</th>
<th>Minimum Qualifications / Experience</th>
<th>Position Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manager IV</td>
<td>BS + 18 or MS +15 or PhD + 9</td>
<td>Manages or directs one or more assignments, projects, or programs where the paramount qualification requirement of the position is management and executive knowledge/ability rather than competence in a specialized subject-matter or functional area.</td>
</tr>
<tr>
<td>Manager III</td>
<td>BS + 12 or MS + 9 or PhD + 6</td>
<td>Manages or directs one or more assignments, projects, or programs where the paramount qualification requirement of the position is management and executive knowledge/ability rather than competence in a specialized subject-matter or functional area.</td>
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<tr>
<td>Manager II</td>
<td>BS + 9 or MS + 7 or PhD + 5</td>
<td>Manages or directs one or more assignments, projects, or programs where the paramount qualification requirement of the position is management and executive knowledge/ability rather than competence in a specialized subject-matter or functional area.</td>
</tr>
<tr>
<td>Manager I</td>
<td>BS + 5 or MS + 3</td>
<td>Manages or directs one or more assignments, projects, or programs where the paramount qualification requirement of the position is management and executive knowledge/ability rather than competence in a specialized subject-matter or functional area.</td>
</tr>
<tr>
<td>Environmental Protection Specialist IV</td>
<td>BS + 18 or MS +15 or PhD + 9</td>
<td>Advises on, manages, supervises, or performs work relating to environmental protection programs (e.g., programs to protect or improve environmental quality, control pollution, remedy environmental damage, or ensure compliance with environmental laws and regulations). Holds specialized knowledge of the principles and methods of administering environmental protection programs and the laws and regulations related to environmental protection activities.</td>
</tr>
<tr>
<td>Environmental Protection Specialist III</td>
<td>BS + 12 or MS + 9</td>
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<tr>
<td>----------------------------------------</td>
<td>-------------------</td>
<td></td>
</tr>
<tr>
<td><strong>Advises on, manages, supervises, or performs work relating to environmental protection programs (e.g., programs to protect or improve environmental quality, control pollution, remedy environmental damage, or ensure compliance with environmental laws and regulations).</strong> Holds specialized knowledge of the principles and methods of administering environmental protection programs and the laws and regulations related to environmental protection activities.</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Environmental Protection Specialist II</th>
<th>BS + 9 or MS + 7 or PhD + 5</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Advises on, manages, supervises, or performs work relating to environmental protection programs (e.g., programs to protect or improve environmental quality, control pollution, remedy environmental damage, or ensure compliance with environmental laws and regulations).</strong> Holds specialized knowledge of the principles and methods of administering environmental protection programs and the laws and regulations related to environmental protection activities.</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Environmental Protection Specialist I</th>
<th>BS + 6 or MS + 5 or PhD</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Advises on, manages, supervises, or performs work relating to environmental protection programs (e.g., programs to protect or improve environmental quality, control pollution, remedy environmental damage, or ensure compliance with environmental laws and regulations).</strong> Holds specialized knowledge of the principles and methods of administering environmental protection programs and the laws and regulations related to environmental protection activities.</td>
<td></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Environmental Protection Assistant III</th>
<th>BS + 3 or MS + 1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Serves as team member supporting work relating to environmental protections programs (e.g., programs to protect or improve environmental quality, control pollution, remedy environmental damage, or ensure compliance with environmental laws and regulations).</strong> This work may take the form of assisting higher level environmental protection personnel in an area of assignment or it may involve independent performance of limited assignments in a prescribed segment of an environmental protection program. This work requires the ability to apply established instructions, rules, regulations, and procedures relevant to environmental protection activities.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Environmental Protection Assistant II</th>
<th>BS + 0 or MS + 0</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Serves as team member supporting work relating to environmental protections programs (e.g., programs to protect or improve environmental quality, control pollution, remedy environmental damage, or ensure compliance with environmental laws and regulations).</strong> This work may take the form of assisting higher level environmental protection personnel in an area of assignment or it may involve independent performance of limited assignments in a prescribed segment of an environmental protection program. This work requires the ability to apply established instructions, rules, regulations, and procedures relevant to environmental protection activities.</td>
<td></td>
</tr>
<tr>
<td>Position</td>
<td>Education Level</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>Environmental Protection Assistant I</td>
<td>HS + 5</td>
</tr>
<tr>
<td>Scientist IV</td>
<td>BS + 15 or MS + 12 or PhD + 7</td>
</tr>
<tr>
<td>Scientist III</td>
<td>BS + 9 or MS + 7 or PhD + 5</td>
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Support Staff III
BS + 3 or MS + 1
Supervises, directs, plans, coordinates, and performs functions that are principally work-supporting, including (but not limited to) communications, procurement of administrative supplies and equipment, printing, reproduction, property management, space management, records management, mail service, facilities and equipment maintenance, and transportation.

Support Staff II
BS + 2 or MS + 1
Supervises, directs, plans, coordinates, and performs functions that are principally work-supporting, including (but not limited to) communications, procurement of administrative supplies and equipment, printing, reproduction, property management, space management, records management, mail service, facilities and equipment maintenance, and transportation.

Support Staff I
HS + 5
Supervises, directs, plans, coordinates, and performs functions that are principally work-supporting, including (but not limited to) communications, procurement of administrative supplies and equipment, printing, reproduction, property management, space management, records management, mail service, facilities and equipment maintenance, and transportation.

Training Course Descriptions

The Original Environmental Compliance Bootcamp™

Training Type: Private training course
Format: Instructor-led live training
Course Length: 4 days
Minimum Participants: 5
Maximum Participants: 250
Student Material Included in Price: Yes

Aarcher Institute’s Original Environmental Compliance Bootcamp provides you with the critical regulatory and technical knowledge needed to manage environmental risks for your organization.

This course is valuable for a wide range of professionals, including EH&S managers, environmental compliance specialists, other facility and site personnel with environmental and supply chain responsibilities, environmental consultants and engineers, as well as other professional office staff. Whether you need to revisit all environmental requirements to verify you are not missing anything, get introduced to the full range of environmental requirements, or take a fresh look at the current status of the regulations, this course is perfect.

Course Coverage:

Environmental Compliance and Management Perspectives
- Evolution of US environmental laws
- Applicability and interrelationship of environmental requirements
- Enforcement principles and current trends
- Hazardous and Solid Wastes
- Solid waste management
- Hazardous waste accumulation, transportation, treatment, and disposal
- Used oil management
- Universal hazardous wastes
- Lead, Asbestos, and PCB Management
- Water Quality Regulations and Permits
- National Pollutant Discharge Elimination System (NPDES) permitting
- Total Maximum Daily Loads (TMDLs)
- Safe Drinking Water Act
- Stormwater Discharge Permitting
- Stormwater Pollution Prevention (SWPP) Plans
Spill Prevention Controls and Countermeasures (SPCC) Requirements and Plans
Aboveground Storage Tank Requirements
Underground Storage Tank Requirements
Air Emissions Permitting/Clean Air Act Compliance
Environmental Management Strategies
- Pollution prevention assessments and strategies
- Environmental Management Systems / ISO 14000
- Voluntary environmental reporting systems
- Internal compliance auditing
Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)
- Release reporting
- Site identification, characterization, and corrective action
- Property transfer and the All Appropriate Inquiry Standard
Hazardous Materials Management
- Chemical Classes and Characteristics
- Container and facility design

Storage requirements (EPA, OSHA, NFPA, Industry Codes)

Hazard Communication and Reporting
- EPCRA (Emergency Planning and Community Right to Know Act) Compliance
- Release Notification
- Annual Reports
- Hazard Communication Standard 2012 / GHS
- Chemical Facility Anti-Terrorism Standards (CFATS)

Natural and Cultural Resource Protection Laws
- Wetlands and Endangered Species Regulations
- NHPA Section 106 requirements
- Effects on site development and proposed projects
- Public and private sector impacts

National Environmental Policy Act (NEPA)
- Applicability to private sector activities
- Federal proposed actions

Environmental Regulatory Horizon

For more information, visit https://aarcherinstitute.com/courses/environmental-compliance-bootcamp-training/.

Clean Air Compliance Manager™

Training Type: Private training course
Format: Instructor-led live training
Course Length: 3 days
Minimum Participants: 5
Maximum Participants: 250
Student Material Included in Price: Yes

Advanced training for environmental professionals responsible for air emission compliance, permitting, and management.

Clean Air Compliance Manager™ offers you a comprehensive overview of the Federal Clean Air Act (CAA), its history and drivers, and an outline of each of the titles of the 1990 CAA Amendments. The various associated regulatory structures are examined in detail, and the implications of each for your organization are reviewed.

The structured, logical approach of the course enables both new and seasoned professionals to better understand the complex web of interconnected federal air quality regulations, and to more effectively manage their compliance activities. This program will help you to proactively ask the right questions about air quality compliance and your operations, and to more effectively manage compliance to stay ahead of potential enforcement action.

Course Coverage:

- Air Pollution and the History of Air Quality Management and Regulation
- Details of the 1990 Clean Air Act Amendments
- National Ambient Air Quality Standards (NAAQS) and Ambient Monitoring
- State Implementation Plans (SIPs)
Wastewater Compliance Manager™

Training Type: Private training course  
Format: Instructor-led live training  
Course Length: 2 days  
Minimum Participants: 5  
Maximum Participants: 250  
Student Material Included in Price: Yes

Wastewater Compliance Manager™ prepares you to evaluate permitting options, work with permitting authorities, understand permit requirements, and implement strategies for achieving full permit compliance.

Wastewater Compliance Manager™ is popular with environmental managers who are responsible for ensuring compliance with EPA- or state-issued National Pollutant Discharge Elimination System (NPDES) permits or Industrial User Pretreatment Permits for discharges to sewer systems. In 2020, this course was changed from a 3-day course to a 2-day course to focus more specifically on the wastewater challenges faced by most environmental professionals.

(Note that although most industrial stormwater discharges are authorized by NPDES permits, stormwater compliance is only marginally addressed in this course. Stormwater discharges are the focus of our Stormwater Compliance Manager™ course.)

This course starts with the fundamentals of discharge permitting and moves into detailed discussions of both requirements and proven methods for compliance. Join your environmental professional colleagues for these solid presentations and open discussions!

Course Coverage:

Understanding underlying water quality legal and regulatory principles  
Clean Water Act jurisdiction basics and recent developments  
Water Quality Standards  
NPDES permit fundamentals and compliance strategies  
- Example NPDES permit review  
Effluent Limits  
- Effluent limit guidelines  
- Technology-based effluent limitations  
- Water quality-based effluent limitations  
NPDES permit applications  
NPDES permit management and compliance strategies  
NPDES discharge monitoring  
NPDES Recordkeeping and reporting  
Obtaining, updating, and challenging NPDES permits
NPDES Enforcement considerations
Indirect Discharges: Pretreatment permits and compliance strategies
  • Pretreatment program fundamentals and prohibitions
  • Common treatment strategies
  • Example pretreatment permit review

Pretreatment program compliance strategies
• Obtaining, updating, and challenging permits
• Enforcement considerations

Underground injection control
Groundwater protection regulations
Emerging pollutants and other hot topics

For more information, visit https://aarcherinstitute.com/courses/wastewater-compliance-manager-environmental-training/.

Applied Chemistry for EHS Professionals™

Training Type: Private training course
Format: Instructor-led live training
Course Length: 3 days
Minimum Participants: 5
Maximum Participants: 250
Student Material Included in Price: Yes

Applied Chemistry for EHS Professionals™ has been delivering a powerful and practical understanding of chemistry for more than 20 years. This course was previously presented in two parts (Chemistry Demystified and Chemistry Advanced) but has been refined and updated as a single 3-day course to meet the needs of today’s EHS professional. This important course is valuable for all EHS professionals, at any career stage.

Applied Chemistry for EHS Professionals™ is valuable for anyone who has corporate or regulatory EHS responsibilities, such as exposure evaluation and controls, environmental permit implementation, monitoring and sampling, waste characterization, pollution prevention, identifying pollutant sources, receiving laboratory analyses, storing hazardous materials, or diagnosing changes in emissions and discharges.

Course Coverage:

Chemical measurements (both U.S. and SI)
  • Scientific notation
  • Accuracy & precision
  • Dimensional analysis

Physical chemistry
  • Physical & chemical properties
  • Gas Laws, Henry’s Law, etc.

Organic compounds
  • Nomenclature
  • Transformations/reactions

Metals
  • Fate and transport

Inorganic substances
  • Reactions/reactivity
  • Nuclear chemistry/radioactivity

Special chemicals and processes
  • Organic (g., PCBs, CFCs, etc.)
  • Inorganic (g., NOx, SOx, etc.)
  • Metals (g., Pb, As, Hg, etc.)

Waste treatment processes

Sampling
  • Techniques in different media
  • Data quality objectives
  • Common sampling errors

Analysis
  • Techniques (g., SW846, etc.)
  • Laboratory data quality
  • Common analytical problems

Statistics for EHS professionals
  • Descriptive
  • Tests of hypotheses
  • Control charts

For more information, visit https://aarcherinstitute.com/courses/applied-chemistry-for-ehs-professionals-training/.
Auditing for Environmental Compliance™

Training Type: Private training course
Format: Instructor-led live training
Course Length: 2 days
Minimum Participants: 5
Maximum Participants: 250
Student Material Included in Price: Yes

Auditing for Environmental Compliance™ prepares EHS professionals to lead internal compliance evaluation programs or serve as an effective member of an audit team.

Auditing for Environmental Compliance™ offers experienced auditors and those new to the internal audit practice an opportunity to better understand the audit process and become better positioned to improve your organization’s compliance position, control risks, improve internal controls, support environmental management systems, and identify pollution prevention opportunities. Ensuring your audit program delivers real value requires an effective audit approach and an understanding of proven audit techniques and industry audit standards. While many Aarcher Institute courses focus on specific environmental laws and requirements, this course focuses on principles and realities of environmental compliance auditing process.

Course Coverage:

- Audit perspectives (objectives, benefits, risks)
- Audit program standards
- Auditor ethics and standards of conduct
- Regulatory foundation elements
- Audit process overview
- Common audit process elements
- Reporting results (options, effectiveness)
- Improving finding quality
- Internal controls & root causes
- Corrective actions
- Building audit program value

For more information, visit https://aarcherinstitute.com/courses/auditing-for-environmental-compliance/.

EPCRA Planning & Reporting Manager™

Training Type: Private training course
Format: Instructor-led live training
Course Length: 2 days
Minimum Participants: 5
Maximum Participants: 250
Student Material Included in Price: Yes

EPCRA Planning & Reporting Manager™ focuses on reporting requirements, data collection strategies, calculation methods, and common misunderstanding and reporting mistakes.
This course prepares students to lead EPCRA reporting efforts, oversee EPCRA compliance, and validate information prior to submission. The course covers current EPCRA applicability and reporting requirements, including multiple chemical lists, applicability thresholds, required reporting, deadlines, available reporting tools, and required supporting documentation.

Practical applications of the requirements for various industry sectors and for Federal agencies are explored and discussed. Illustrative scenarios are presented on industrial and Federal agency reporting under EPCRA Section 313 to provide a clear understanding of where to focus attention and how to apply the complex guidance of the Toxic Release Inventory (TRI) requirements to actual facility operations.

EPCRA Planning and Reporting Manager™ course was developed for environmental professionals, managers, and others responsible for environmental reporting of hazardous materials and substances stored, processed, or used on their facilities.

Course Contents:

- EPCRA applicability by section
- EPCRA Sections 302 and 303 reporting requirements
- Spill notification requirements under CERCLA and EPCRA
- EPCRA Sections 311 and 312 reporting requirements
- Reporting extremely hazardous substances (EHSs) and the CERCLA 102(a) hazardous substances
- Documentation procedures when no reporting is required
- EPCRA Section 313 thresholds and reporting
- Responding to changes in reporting requirements or onsite activities
- Practical inventory and reporting strategies, including the acceptable use of estimates
- Current regulatory and compliance management trends

For more information, visit https://aarcherinstitute.com/courses/epcra-planning-reporting-training/.

**Hazardous Waste Compliance Manager™**

Training Type: Private training course  
Format: Instructor-led live training  
Course Length: 1-5 days  
Minimum Participants: 5  
Maximum Participants: 250  
Student Material Included in Price: Yes

This comprehensive RCRA training course prepares you to properly identify, accumulate, transport, and dispose of hazardous waste. Tailor this course to your needs by registering for one to five instruction days.

Hazardous Waste Compliance Manager™ provides both beginning and returning waste generators, handlers, and managers with the tools and understanding needed to meet federal and state training requirements and master the complexities of RCRA, while avoiding the confusion and faulty interpretations that can lead to regulatory pitfalls. This course incorporates a series of presentations, in-depth discussions, and practical exercises designed to guide participants towards mastery of RCRA.

This is the Aarcher Institute’s most detailed presentation of hazardous waste requirements, but the context provided and the opportunity to adjust participation by registering only for selected days makes this course a great pick for anyone with hazardous waste responsibilities. Annual attendance ensures you stay current with changing RCRA regulations and help your company comply with the training requirements under 40 CFR 262.17(a)(7) and 49 CFR 172.704 Subpart H. This course
is valuable for EH&S managers, environmental compliance specialists, environmental consultants and engineers, operations managers, and anyone involved in the generation, accumulation, management, or disposal of wastes.

Course Contents:

- Hazardous Waste Identification and Characterization
- Understanding Legal Responsibilities and the Structure of RCRA
- EPA Enforcement and Avoiding Common Violations
- Hazardous Waste Identification and Characterization
- Hazardous Waste Recycling Exclusions (including requirements and reliefs under EPA’s 2015 Definition of Solid Waste)
- Generator Requirements
- On-Site Storage Options (90/180 day storage, Satellite Storage)
- Used Oil Management
- “Special Hazardous Wastes” (Universal Wastes, Electronic Wastes, Aerosol Cans, and Solvent-contaminated Wipes)
- Treating Hazardous Waste
- Shipping Hazardous Waste
- Hazardous Waste Manifest (e-manifest update)
- Release Reporting
- Land Disposal Restrictions (Treatment Standards and Underlying Hazardous Constituents)
- Air Emissions under Subparts AA, BB, and CC
- Remediation, Demolition, and Spills (Managing Contaminated Media and Debris from Spills and Spill Residues, Demolition Projects)
- RCRA Update
- Emergency/Contingency Plan Preparation

For more information, visit https://aarcherinstitute.com/courses/hazardous-waste-compliance-manager/.

**NEPA Navigator™**

Training Type: Private training course
Format: Instructor-led live training
Course Length: 3 days
Minimum Participants: 5
Maximum Participants: 250
Student Material Included in Price: Yes

Since 2010, this National Environmental Policy Act (NEPA) training course has successfully prepared students to participate in the NEPA process at a support, development, or leadership role.

This 3-day course provides a sound foundation to the NEPA process and help the attendee gain an understanding of the ways the NEPA process is carried out by various Federal agencies as they enact their own NEPA implementing regulations.

Course Coverage:

- NEPA – The Law and its Implementing Regulations
- The Three Levels of NEPA Documentation: CXs, EAs, and EISs
- Conducting Environmental Impact Analyses and Documenting Environmental Consequences
- Tips and Techniques for a Successful NEPA Process
- NEPA Review, Analysis and Documentation
- Relationship to other environmental laws and regulations, including EMS
- Working with NEPA project Stakeholders
- Related Cultural, Historic, Biological, and Socioeconomic Issues and Impacts

For more information, visit https://aarcherinstitute.com/courses/nepa-environmental-training/.
**SPCC Compliance Manager™**

Training Type: Private training course  
Format: Instructor-led live training  
Course Length: 2 days  
Minimum Participants: 5  
Maximum Participants: 250  
Student Material Included in Price: Yes  

**Training Details:**  
- **Course Description:** SPCC Compliance Manager™ course prepares you to effectively develop Spill Prevention, Control & Countermeasure (SPCC) plans and manage compliance for your facility.  
- **Course Outline:** This course has guided students through their SPCC regulations for nearly 20 years. Participants immerse themselves in requirements applicable to oil storage, including tank features and design; tank integrity inspections; secondary containment design, condition, and inspection; required facility features; plan contents and updates; and all other provisions of this important and actively enforced regulatory program.  
- **Course Coverage:**  
  - Oil and its impacts on the environment  
  - Clean Water Act overview  
  - Navigable water definition  
  - Focus of SPCC laws  
  - DOT/EPA Memorandum of Understanding  
  - History of SPCC law development  
  - Facilities required to prepare an SPCC plan  
  - Regulation-specific definitions  
  - Types of regulated containers  
  - Exemptions from SPCC  
  - Overfill Prevention  
  - Container and equipment inspections  
  - Loading/unloading racks and other transfer operations  
  - Personnel training  
  - Spills and oil discharges  
  - Security requirements  
  - Impracticability statements and deviations from SPCC regulation  
  - In-depth look at secondary containment  
  - Exercise – review 40 CFR 112  
  - Regional inspector guidance document  
  - Aboveground storage tanks regulations and required features  
  - Common oil container deficiencies  
  - Benefits of developing a SPCC plan  
  - SPCC Plan requirements  
  - How to address amendments to your plan  
  - Exercise – plan review  
  - Inspector’s Guidance SPCC Plan review checklist  
  - Contingency plans – Oil Spill Contingency Plans, Facility Response Plans, and Integrated Contingency Plans  
  - Exercise – Plan critique  

For more information, visit https://aarcherinstitute.com/courses/spcc-compliance-environmental-training/.

**Industrial Stormwater Compliance Manager™**

Training Type: Private training course  
Format: Instructor-led live training  
Course Length: 2 days  
Minimum Participants: 5  
Maximum Participants: 250  
Student Material Included in Price: Yes  

**Course Description:** Our 2-Day stormwater compliance and stormwater pollution prevention plan (SWPPP) training course qualifies you to develop and manage facility stormwater compliance.
The Industrial Stormwater Compliance Manager™ course is completed by individuals responsible for managing stormwater permitting at a facility or organizational level, developing SWPPPs, or implementing SWPPP and managing permit compliance.

Course Coverage:

- Stormwater pollution prevention regulations
- Clean Water Act
- Water pollution and its effects
- Water Pollution Control History
- Water Quality Standards
- National Pollutant Discharge Elimination System (NPDES) and permitting
- Stormwater overview
- Stormwater regulation development
- Municipal Separate Storm Sewer Systems (MS4s) Background
- MS4 permitting requirements
- Municipal stormwater management programs
- Stormwater discharges from construction sites
- Construction site permitting requirements and NPDES
- Stormwater Pollution Prevention Plans for construction sites
- Best management practices for constructions sites
- Site maintenance, stabilization, and inspections
- Notices of termination
- Common compliance deficiencies
- Industrial stormwater discharges
- Common sources of pollution
- Industrial stormwater permitting applicability
- No exposure exclusions and certification form
- Individual vs. general industrial stormwater permits
- Multi-sector general permits
- Monitoring and sampling requirements
- How to collect samples
- Monitoring compliance requirements
- Preparing to monitor stormwater discharges
- Conducting required monitoring
- Potential sampling problems
- Stormwater Pollution Prevention Plans (SWPPPs)
- Developing a SWPPP
- Identification of potential pollutant sources
- Selecting control measures and best management practices
- Inspections under SWPPPs
- SWPPP record retention requirements
- Common SWPPP violations
- Selecting best management practices
- Examples of recommended best management practices (BMP)
- BMP inspection tips
- Exercise – virtual facility tour
- Exercise – SWPPP critique

For more information, visit https://aarcherinstitute.com/courses/stormwater-compliance-environmental-training/.

Tanks Compliance Manager™

Training Type: Private training course
Format: Instructor-led live training
Course Length: 2 days
Minimum Participants: 5
Maximum Participants: 250
Student Material Included in Price: Yes

Our 2-Day Underground and Aboveground (UST/AST) Storage Tank training course is valuable for those responsible for purchasing, installing, or managing tanks.

This course is designed for those responsible for purchasing, installing, managing, or inspecting underground and aboveground storage tanks, including tanks used to store petroleum, fuels, heating oil, chemicals, and other liquids.
Course Coverage:

- Aboveground tank requirements and industry standards
- Underground storage tank regulations and industry standards
- Typical installations
- SPCC tank requirements
- Monitoring and leak detection
- Inventory reconciliation
- Inspection and maintenance
- Closure and investigation
- Special considerations for hazardous substances and wastes

For more information, visit https://aacherinstitute.com/courses/ast-ust-environmental-tanks-training/.