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**General Services  
Administration**

**Federal Supply Service**

**Authorized Federal  
Supply Service  
Schedule**

**Price List**

**Environmental  
Advisory  
Services**

**FSC Group:** 89  
**FSC Class:** 8999

**Contract Period:**  
June 22, 2009 through June 21, 2014  
**Per Modification:** PS0011  
*Revision Date: November 2010*

**Business Size:** Large  
**DUNS #:** 62-249-6230

Price shown are net.

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*Section 833 of the National Defense Authorization Act allows state and local governments to purchase products and services to facilitate recovery from a major disaster. The following SINs include Recovery Purchasing: 899-1RC, 8993RC, 899-8RC*

## 1. Project Performance Corporation Corporate Profile

Project Performance Corporation (PPC) is a consulting firm specializing in the environmental and information systems business sectors. Our multi-disciplinary staff provides innovative, customized solutions in the areas of environmental strategy, policy, management, and technology. We pride ourselves in our ability to utilize cutting-edge technology and experienced senior staff to find cost-saving solutions for our clients in both the public and private sectors.

Project Performance Corporation (PPC) was founded in early 1991. Reflecting the value that we provide to our clients, by the end of 2006 we had grown to over 300 employees located in three offices in the Greater Washington D.C. area. At its inception, PPC consulted primarily on environmental management issues. In August of 2008, PPC became a part of the AEA group, based in Harwell in the United Kingdom. As the North American operations arm of AEA, an internationally recognized, award-winning, energy and environment consultancy, PPC is now part of a 1,000-person multi-disciplinary team of scientific, policy, management, and technical experts. Together we support government and private sector programs around the world. Today, we provide a wide range of environmental services, including regulatory analysis, surveys, waste management planning and implementation, and training.

Our staff is organized into highly integrated practice groups, which enables us to bring our capabilities and experience to bear quickly on our clients' specific project needs.

Our staff is highly motivated and extremely flexible, incorporating the expertise of individuals with diverse backgrounds and education, each being knowledgeable and experienced with numerous types of projects. This mixture of viewpoints and expertise allows us to approach tasks in an innovative manner, providing an insightful perspective for our clients, who often hire us for their most difficult problems.

## 2. Information for Ordering Offices

Description	Page No.
<b>1. Awarded Special Item Numbers (SINs):</b>	
a. SIN 899-1 & 899-1RC: <b>Environmental Planning &amp; Services</b>	4
c. SIN 899-3 & 899-3RC: <b>Training Services</b>	11
e. SIN 899-8 & 899-8RC: <b>Remediation Services</b>	13
<b>2. Maximum Order Limitation:</b> \$1,000,000	
<b>3. Minimum Order:</b> \$100.00	
<b>4. Geographic Coverage (Delivery Area):</b> Domestic, which includes the 48 contiguous states, and Alaska, Hawaii, Puerto Rico, and Washington, D.C.	
<b>5. Point(s) of Production:</b> McLean, Virginia	
<b>6. Discount from List Price:</b> N/A	
<b>7. Quantity Discounts:</b> N/A	
<b>8. Prompt Payment Terms:</b> Net 30 days	
<b>9a. Government Credit Card is accepted for orders below the micro-purchase threshold.</b>	
<b>9b. For credit card acceptance of orders above the micro-purchase threshold, contact Laura Weeks at (703) 748-7000 (phone) or (703) 748-7001 (fax).</b>	
<b>10. Foreign Items:</b> N/A	
<b>11. Time of Delivery:</b> Delivery time is in accordance with the RFQ or as negotiated with Ordering Agency	
<b>12. FOB Points:</b> Destination, as requested in the RFQ, or as negotiated with Ordering Agency	
<b>13a. Ordering Address:</b> <b>Project Performance Corporation</b> 1760 Old Meadow Road McLean, VA 22102 (703) 748-7000, Fax (703) 748-7001 Attn: Peter Dierbeck	
<b>13b. Technical Assistance:</b> (703) 748-7000, Fax (703) 748-7001 Attn: Peter Dierbeck	
<b>14. Payment Address:</b> Project Performance Corporation 1760 Old Meadow Road	

McLean, VA 22102  
(703) 748-7000, Fax (703) 748-7001  
Attn: Accounts Receivable

15. **Warranty Provisions:** N/A
16. **Export Packing Charges:** N/A
17. **Terms and Conditions of Government Credit Card Acceptance:**  
See #9 above
18. **Terms and Conditions of Rental, Maintenance, and Repair:** N/A
19. **Terms and Conditions of Installation:** N/A
- 20a. **Terms and Conditions of Repair Parts:** N/A
- 20b. **Terms and Conditions of Any Other Services:** N/A
21. **List of Services and Distribution Points:** N/A
22. **List of Participating Dealers:** N/A
23. **Preventative Maintenance:** N/A
24. **Year 2000 (Y2K) Compliant:** Yes
25. **Environmental Attributes:** N/A
26. **Data Universal Numbering System (DUNS) Number:** 62-249-6230
27. **Contractor is registered in the Central Contractor Registration (CCR) Database.**

## 3. Services and Products

### 3.a. SIN 899-1 & 899-1RC Environmental Planning and Services Documentation

#### Service 1. Conduct Economic Analyses of Environmental Programs

Economics is the allocation of scarce resources to competing ends. PPC offers government clients a service to provide economic analysis of environmental programs, which clients often use to identify an optimal allocation of these scarce resources. This PPC service helps clients frame problems in economic terms: What are the costs of each of the actions being considered or being implemented and what are the benefits? Economic analysis of environmental projects may consist of estimating the costs and benefits of such activities as complying with a new regulation or it may involve assessing the costs and benefits of different approaches to remediating a contaminated site. From an economic perspective, if the analysis of the benefit of an action shows they are greater than its costs, the action should be taken. If more than one action has higher benefits than costs, the analysis is a way to help indicate which compliance approach is most desirable.

PPC's methodology for performing economic analyses involves four steps, the complexity of which is tailored to the type and purpose of the study being done. These four steps include:

- 1) Develop methodologies, including appropriate engineering or parametric cost models;
- 2) Estimate costs and exclude private costs from the cost estimates;
- 3) Determine the benefits attributable to the action;
- 4) Compare the costs and benefits of the action.

This service requires detailed knowledge of the statutory, regulatory, and policy requirements of many laws because most environmental programs are operated under the requirements of numerous laws and regulations. Environmental cleanups of hazardous waste, for example, are not only subject to the Resource Conservation and Recovery Act (RCRA), but also to other laws when activities taken create air emissions, result in discharges to surface water, or may affect endangered species. Typical laws affecting economic analysis projects are the Resource Conservation and Recovery Act (RCRA), Comprehensive Environmental Response Compensation and Liability Act (CERCLA), National Environmental Policy Act (NEPA), Clean Water Act (CWA), National Historic Preservation Act (NHPA), Clean Air Act (CAA), Endangered Species Act (ESA), Pollution Prevention Act (PPA), Safe Drinking Water Act (SDWA), Toxic Substances Control Act (TSCA), and Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). PPC staffs who provide this service have as much as 20 years of direct experience working with and assisting clients in complying with these statutes and regulatory requirements. For example, a senior PPC staff member was formerly the EPA Branch Chief who was responsible for all cost, economic, benefit, and policy analysis performed in support of the hazardous waste program under RCRA.

PPC has been offering this service to government and private sector clients since 1991 when the company deployed 39 teams of cost estimators, economists, and technical personnel across the United States to validate existing environmental remediation and waste management cost estimates for the Department of Energy (DOE). Also in 1991, PPC assisted the Office of Management and Budget (OMB) in assessing the costs and environmental risk of 20 DOE environmental projects. Since that time, PPC

has performed several major economic analyses for DOE (such as Cost Estimation for the *Baseline Environmental Management Report* 1995 and 1996) and provided expert witness economic testimony for private sector clients (such as the Direct Marketers Association before the U.S. Postal Commission). In 1997, PPC conducted research and wrote a paper for the Environmental Protection Agency (EPA) that explained why EPA cost estimators typically overestimate regulatory compliance costs and proposed ways for correcting frequent cost estimating mistakes.

## **Service 2. Conduct Technical and Risk Analysis of Environmental Projects and Programs**

This service includes, but is not limited to, conducting health risk analyses, environmental risk analyses, system dynamics analyses, and chemical process analyses to identify and evaluate weaknesses and potential improvements in environmental projects or programs. The common purpose of these types of technical and risk analyses is to assist clients to make decisions about environmental program options, to evaluate environmental program effectiveness, or to achieve continuous quality improvement in environmental program performance. Quantitative and qualitative methods are both common elements of all technical and risk analyses. Quantitative analyses often are used to identify major differences in process performance; qualitative analyses often assist with understanding the sources of any quantitative differences.

PPC's methodology to provide this service generally involves the following four steps:

- 1) Determine scope of the analysis;
- 2) Develop data collection needs and approaches;
- 3) Collect data and prepare analysis;
- 4) Write appropriate reports and briefings.

Depending on the scope of the project undertaken, analyses conducted as part of this service can require detailed knowledge of the statutory, regulatory, and policy requirements of nearly all environmental areas including, but not limited to the NEPA, CWA, NHPA, CAA, ESA, PPA, and SDWA, in addition to CERCLA, RCRA, and the Atomic Energy Act (AEA). Typical reporting requirements associated with technical and risk analyses are often driven by the provisions of environmental statutes and regulations that require agencies to provide information to the public for review and comment. Reporting to the public is generally required when a Federal agency is considering taking any action that leads to permit issuance or modification, or it is evaluating options on how to implement a new environmental program (i.e., as a result of the requirements of NEPA).

PPC staffs who provide this service have more than 20 years of direct experience working with the outlined statutes and regulations, both for the U.S. Department of Energy and other federal agencies, and private sector clients.

PPC has been offering this service to the government sector since 1991 when it first helped study various environmental programs in other organizations as potential models for DOE's program. Since that time, PPC has prepared hundreds of analyses of different aspects of DOE, EPA, and DOD programs, ranging from how to improve the conduct of a field cleanup project (1993-1996), to studies on how the regulatory milestones in federal facility agreements hinder accelerated progress at DOE sites (1994), to recent

studies that PPC is conducting for EPA on how to implement Superfund presumptive remedies for metals in soils sites (1998).

### **Service 3. Build Risk and Technical Communication and Outreach Tools for Environmental Programs**

This service involves the design, development, and deployment of risk and technical communication and outreach tools for environmental programs. Typical products resulting from this service are interactive World Wide Web communication and dissemination tools and web-enabled applications (databases, interactive modeling, and data collection) devised to enhance communication between the Federal government and its stakeholders (including field personnel, and concerned citizenry) interested in environmental problems. This service also focuses on the efficient collection, management and dissemination of information through the deployment of digital libraries and related tools used to enhance the ability to search and retrieve relevant information.

PPC's methodology to develop and implement outreach programs relies on several standard elements, but also will differ from project to project depending on the ultimate delivery medium selected. For example, an outreach program constructed around an internet-based approach will follow the same general steps as we outline for SIN 899-3, Environmental/Occupational Training Services, PPC Service #2, Develop Computer-Based Environmental Implementation Training. An outreach program that is built around providing routine updates and fact sheets on program developments may also have an internet-based component, but may also involve preparing written materials, responding to phone requests for information, and being available to answer questions.

The general steps in supporting an outreach program are the following:

- 1) Develop outreach program objectives;
- 2) Develop appropriate mechanisms and approaches to meet objectives;
- 3) Evaluate service and make appropriate improvements.

The environmental requirements that are part of this service will differ depending on the subject matter of the outreach efforts. For example, if PPC is providing outreach services that allow users to access a digital library of all of the National Environmental Policy Act (NEPA)-related documents that a client has prepared, a part of that effort will be to ensure that users understand requirements about primary NEPA mandates and why different documents are prepared under different circumstances. Because the nature of many outreach projects is to provide information to a diverse group of users, one common objective of this service is to explain how the program is meeting its environmental requirements. Therefore, presentation of environmental requirements is often a part of the subject matter of the communication program itself. In these cases, we may provide this information in a variety of ways (e.g., an overview of the major requirements, more and detailed discussion of the requirements for more experienced audiences, and finally direct electronic access to the regulations for users wanting the complete regulations themselves). Finally, outreach efforts are often used as a reporting mechanism under regulatory requirements. For example, one major requirement under NEPA is to provide information to audiences and seek public input. Outreach projects are often designed to facilitate this mandatory

interaction and become a part of the implementation of the reporting requirements of environmental laws and regulations.

Although an expert knowledge of cutting-edge computer-based communication tools and implementation methods is essential, this service also requires extensive knowledge of and experience with related environmental regulations and programs. PPC combines expertise in both areas to provide creative solutions for a client that has complex outreach needs. For example, our staff has designed tools to provide outreach in the areas of human radiation experiments, global warming, and ways to allow the public easy access to the thousands of existing pages of NEPA analysis on nuclear projects.

PPC has been offering this service to government clients since 1991 when PPC developed an environmental communications program for the U.S. Department of Energy (DOE). Currently, PPC is playing a lead role in the development and deployment of the DOE Environment, Safety and Health Digital Library, a collection of over 10,000 ES&H documents including Environmental Assessments, Environmental Impact Statements, Federal regulations, oversight reports and accident investigation reports. PPC is also involved in the design and deployment of Intelligent Agents to facilitate the retrieval of relevant environmental information. PPC staff has over 10 years of experience with the management of NEPA information, and have played a lead role in the establishment and maintenance of the DOE NEPA Net library.

#### **Service 4. Conduct Program Compliance and Performance Reviews**

This service involves program compliance and performance review design, staffing, execution, analyses, documentation, and reporting necessary to enable government agencies to effectively and efficiently evaluate programs and projects for:

- 1) Compliance with environmental standards;
- 2) Alignment with agency goals and objectives;
- 3) Implementation of sound management practices.

This service can include many types of reviews depending on the client's needs. For example, for new projects it may include a peer review during the decision phase to ensure that it incorporates the best ideas from similar projects already implemented. Once programs are in place, this service can involve reviews to determine effectiveness and cost improvement opportunities.

The following process represents PPC's typical approach to this service:

- 1) Develop scope and objectives of reviews;
- 2) Establish lines of inquiry and establish benchmark standards and practices;
- 3) Conduct program/project review;
- 4) Report on review findings and recommendations.

Appropriate conduct of project and program reviews mandates a comprehensive, working knowledge of environmental statutes and regulations that serve as the bases for environmental program and projects. PPC also recognizes that considerable attention must be paid to changes in today's regulatory environment (e.g., community-based regulation, watershed approach, regulatory re-inventions). Therefore, PPC routinely relies on both its existing staff knowledge of the regulatory environment, and its

continual study of emerging regulatory approaches when conducting facility inspections, facility citing analyses, environmental impact analyses, evaluation of candidate treatment technologies and remedial strategies. In fact, nearly every PPC program review includes an evaluation of compliance statutes applicable to environmental projects to provide a client with an assessment of where program changes may be appropriate to consider given the regulatory situation. Not all critical requirements that need to be understood as part of program reviews are environmental in nature, but rather, they apply because of a government-wide emphasis on enhanced accountability of Federal agencies and voluntary compliance schemes. PPC has extensive experience with the major government frameworks for evaluating program and project performance including the Government Performance and Results Act (GPRA), the Financial Managers Financial Integrity Act (FMFIA), and Government Management Reform Act (GMRA). PPC also has extensive experience with program and project standards and practices such as ISO series 9000 and 14000, the Project Management Body of Knowledge, Total Cost Management Principles, and quality awards (e.g., Presidential Quality Award, Baldrige Award, etc.). In addition, PPC maintains a well-stocked program and project review “toolkit” (benchmarking, models, lessons learned databases, survey instruments, guidance documents, etc.) that we have used extensively to support hands-on reviews.

PPC has been offering this service to government and private sector clients since 1991. Recent examples of our experience include conducting more than 10 reviews of U.S. Army environmental projects to identify methods to reduce costs of environmental investigations and accelerate actual reduction of risks to ecological and human health receptors. PPC has experience with a broad range of review types including: Peer Reviews, Project Performance Reviews, Management and Business Oversight, and Organizational Assessments.

#### **Service 5. Conduct Property Transfer Environmental Site Assessments/Audits**

This service involves performing Phase I environmental site assessments (ESAs) for government agencies that may be acquiring or selling/divesting potentially contaminated properties, which have or may have had past industrial use. In addition to the assessment of potential on-site contamination or “dirt liability,” which is the sole and narrow focus of the ASTM Standard Practice for Phase I ESAs, PPC also evaluates, when appropriate, issues of potential off-site waste disposal liability, regulatory noncompliance, and the application of best engineering practices to minimize environmental liability. PPC equates this due diligence scope of work to performing, in effect, a business risk assessment.

PPC’s methodology to accomplish completion of a task order related to this service involves the following four steps:

- 1) Review existing background information;
- 2) Conduct the property assessment(s);
- 3) Deliver an oral debriefing;
- 4) Prepare a written report.

This service requires detailed knowledge of the statutory, regulatory, and policy requirements of CERCLA, RCRA, the Clean Air Act, Clean Water Act, Toxic Substances Control Act, Safe Drinking Water Act, Occupational Safety and Health Act, and corresponding state environmental remediation and

regulatory programs. The reporting requirements for this service are of two types. First, a significant part of evaluating liability is preparing reports that serve to communicate environmental liability information among all parties involved in the transaction. Second, as part of this service, PPC reviews and assesses the adequacy of its clients' compliance with reporting requirements specified in laws and regulations, which are often misunderstood and difficult to comply with.

PPC has been offering this service principally to private sector clients since 1995. Since that time, PPC has performed about 100 Phase I ESAs on commercial and industrial properties for manufacturing companies, investors, lenders, and law firms. Examples of the types of properties assessed include metal fabrication, food preparation, research and development laboratories, hazardous and radioactive waste management, aerospace equipment manufacturing, petroleum refining, and steel manufacturing. PPC staffs who provide this service have more than 15 years of direct experience working with and assisting clients comply with these statutes and regulations. In addition, PPC staff who provide this service also have experience in developing a number of the statutes and regulations for the U.S. EPA, states, and the U.S. Congress while working for these organizations in previous employment.

#### **Service 6. Quantify Future Costs of Environmental Compliance**

A number of government departments and agencies face significant environmental liabilities associated with addressing on-site soil and groundwater contamination, disposing of stockpiled hazardous, radioactive, and any other unique and often highly toxic wastes (e.g., military munitions), and decontaminating and decommissioning active contaminated facilities. This service involves performing assessments of future environmental compliance costs for government departments and agencies who are obligated to quantify their environmental liabilities to satisfy the financial reporting requirements of the Government Management Reform Act (GMRA). Estimates of future environmental compliance costs and liabilities must be of sufficient rigor to withstand legislatively mandated audits by department's Office of Inspectors General (IG) and/or the Government Accounting Office (GAO).

PPC's methodology to accomplish completion of a task order related to this service involves the following five steps:

- 1) System design;
- 2) Data collection;
- 3) Data review;
- 4) Cost estimating and database management;
- 5) Report preparation.

This service requires detailed knowledge of the statutory, regulatory, and policy requirements of CERCLA, RCRA, corresponding state environmental remediation programs, and the Atomic Energy Act. PPC staffs who provide this service have more than 10 years of direct experience working with and assisting clients to comply with these statutes and regulations, both for U.S. EPA and other federal agencies.

PPC has performed this service for the Department of Energy (DOE) since 1991. In 1991, PPC compiled the first life-cycle cost estimate for environmental restoration activities in DOE. In 1994, PPC began assisting DOE to develop and compile life-cycle cost estimates for addressing the environmental legacy

associated with the development of the first nuclear weapons, the production of the U.S. nuclear arsenal during the Cold War, and associated nuclear-related research and development activities. PPC's efforts led to the publication of the first *Baseline Environmental Management Report*, which served as the basis for the Department's estimate of environmental liabilities in DOE's first financial statement to undergo audit in preparation for the GMRA. In 1995, PPC developed a methodology for quantifying environmental liabilities associated with currently active facilities to address the major shortcoming identified in the 1995 audit. Implementation of the PPC methodology led to clean opinions on the environmental liabilities portions of DOE's 1996 and 1997 financial statements.

### **Service 7. Conduct Analysis and Data Collection for Waste Management and Environmental Programs**

This service includes the analysis of environmental management data including waste treatment, storage, and disposal costs, waste characterization data, and regulatory compliance requirements. This service results in PPC assisting government clients to analyze or implement waste management recommendations, which may include recycling, source reduction, and treatment and disposal options for federal government clients. The service may include the development and administration of specialized data collection surveys using data management and analysis software in conjunction with Internet and File Transfer Protocol data transfer tools, developing data management systems, assisting in analyzing the resulting data, and preparing reports and briefings summarizing the impacts of different management options.

PPC's methodology to accomplish completion of a task order related to this service involves the following five steps:

- 1) Determine goals of the analysis;
- 2) Identify available data sources;
- 3) Conduct a focused and thorough data analysis;
- 4) Develop meaningful interpretation of analysis results;
- 5) Provide management recommendations.

This service requires detailed knowledge of two different sets of environmental requirements:

- 1) National, state, and government agency-specific statutory, regulatory, and policy requirements addressing waste management and environmental remediation, and
- 2) Government-wide and agency-specific rules regarding the collection and dissemination of information.

The first set of requirements establishes the framework for the processes and procedures for addressing waste and environmental contamination and includes CERCLA and RCRA, corresponding state programs, and internal policies or directives specific to government agencies such as DOE or the Environmental Protection Agency (EPA). The second set of requirements establishes procedures, including notification requirements, for collecting and disseminating information in the service of government agencies. PPC staff providing this service has at least 20 years of experience in interpreting and conducting analyses under both sets of requirements.

PPC has been offering this service to government and private sector clients since 1992 when it prepared a *Cost Improvement Strategic Plan* for the U.S. Department of Energy's Office of Waste Management and developed a program cost baseline for DOE's Office of Environmental Restoration. Since that time, PPC has assisted all major elements of DOE's Environmental Management program including the Offices of Nuclear Material and Facility Stabilization, Strategic Planning and Analysis, and Site Operations in the collection and analysis of environmental data to support improved program, project, and cost management. PPC's successful conduct of these services is documented in a range of DOE publications and studies including the 1995 and 1996 *Baseline Environmental Management Reports*, 1996 *Current and Planned Low-Level Waste Disposal Capacity Report*, 1996 *Taking Stock: A Look at Opportunities and Challenges Posed by Inventories from the Cold War Era*, 1997 *Linking Legacies*, and 1998 *Accelerating Cleanup: Paths to Closure*.

### **3.b. SIN 899-3 & 899-3RC Environmental/Occupational Training Services**

#### **Service 1. Develop and Deliver Accelerated Environmental Program Implementation Training**

This service involves the development and delivery of training that has the objective of reducing the time it takes government agencies to meet their environmental obligations. The service primarily focuses on training federal and contractor personnel on how to implement faster than conventional approaches to environmental remediation programs mandated under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), the corrective action requirements of the Resource Conservation and Recovery Act (RCRA), and the state remediation programs authorized under RCRA. As a critical element of designing effective training, this service also involves technical site visits, reviews, and pilot projects to identify and assist in resolving circumstances that are hindering effective implementation of an agency's environmental programs.

PPC's methodology to accomplish completion of a task order related to this service involves the following five steps:

- 1) Develop scope and objectives of training program;
- 2) Develop rapid prototype of course;
- 3) Revise prototype based on peer review process;
- 4) Deliver dry run of course;
- 5) Revise, finalize, and deliver course to intended audience(s).

This service requires detailed knowledge of the statutory, regulatory, and policy requirements of CERCLA, RCRA, and corresponding state environmental remediation programs. PPC staffs who provide this service have more than 10 years of direct experience working with and assisting clients comply with these statutes and regulations, both for U.S. EPA and other federal agencies. These PPC staff also have designed and taught training classes on complying with these statutory and regulatory requirements, such as the RCRA land disposal restrictions and toxicity characteristic rulemaking.

PPC has been offering this service to government and private sector clients since 1993 when it first taught a course on *Implementing Remedial Investigations and Feasibility Studies* at DOE Sites. Since that time, PPC has developed and taught three additional training classes related to accelerating the implementation of environmental programs: *Principles of Environmental Restoration* (1996); *Managing*

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*Uncertainty in Remedial Design and Implementation* (1998); and *Facility Disposition Principles: Integrating Safety and Enhancing Cost Effectiveness* (1998).

## **Service 2. Develop Computer-Based Environmental Implementation Training**

This service involves the design, development, and deployment of computer-based training (CBT) systems to assist government agencies to better implement their environmental programs and policies. This service focuses on designing CBT tools and systems that use text, images, simulations, and other multimedia tools to teach federal and contractor personnel how to implement more efficient environmental remediation programs mandated under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA); the corrective action requirements of the Resource Conservation and Recovery Act (RCRA); and state programs authorized under RCRA. Although an expert knowledge of the latest computer-based communication tools and implementation methods is essential for this service, true success requires extensive working knowledge of and experience with related environmental regulations and programs. PPC brings expertise in both areas together to provide creative solutions for Federal agencies' complex environmental training needs.

PPC's methodology to accomplish completion of a task order related to this service involves six steps:

- 1) Identify client needs;
- 2) Conduct a requirements analysis to determine project scope and objectives;
- 3) Plan all five design components of the system prototype;
- 4) Implement prototype design plan and develop the computer-based training (CBT) system;
- 5) Conduct thorough system testing and troubleshooting, including peer review, technical and content evaluation, and requirements fulfillment;
- 6) Complete post-development activities including training, deployment, and marketing.

This service requires detailed knowledge of the statutory, regulatory, and policy requirements of CERCLA, RCRA, and corresponding state environmental remediation programs. PPC staffs who assist in this service have more than 10 years of direct experience working with and assisting clients to comply with these statutes and regulations, both for U.S. EPA and other federal agencies. These PPC staff also have designed and taught training classes on complying with these statutory and regulatory requirements, such as CERCLA orientation and compliance with hazardous waste requirements. Reporting requirements in environmental laws are often the subject of computer-based training classes that PPC has developed. Therefore, complete knowledge of reporting requirements is often an essential need when preparing this type of computer-based training.

PPC has been offering this service to government clients for approximately one year. Specifically, PPC has developed the prototype for a CBT course, *Principles of Environmental Restoration Online*, for the Department of Energy's Office of Environmental Management. This prototype accompanies the classroom-based course, *Principles of Environmental Restoration: Techniques for Streamlining RCRA (HSWA) and CERCLA Projects*, developed and taught by PPC. Additionally, PPC is currently developing a prototype for a similar CBT course, *Implementation of Presumptive Remedies*, for the EPA to augment a similarly titled classroom-based training course.

### 3.c. SIN 899-8 & 899-8RC — Remediation Services

#### Service 1. Environmental Services and Related Remedial Actions

PPC employs a number of licensed professional engineers under whom all remedial action activities are performed. Our services span the spectrum of environmental services and related remedial actions including:

1. Site investigations
2. Feasibility studies
3. Cost estimating
4. Remedial design
5. Remedy implementation and operation
6. Monitoring
7. Optimization studies
8. Data quality evaluation
9. Technical assistance
10. Training
11. Program evaluation

PPC regularly works under both the Resource Conservation and Recovery Act (RCRA) and the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) remediation and compliance programs. PPC has worked in 34 states in all 10 Environmental Protection Agency (EPA) Regions. This extensive experience demonstrates that we have the know-ledge and understanding necessary to conduct work at any location that may be required. PPC offers a number of services related to selection, design, implementation, operation and evaluation of remedies for public and private clients.

#### *Remedy Selection*

PPC was instrumental in the development and application of streamlining initiatives for the department of energy and the U.S. Army. PPC helped conceive and perfect the principles of environmental restoration and the courses they now deliver to train site workers in acceleration of remedial action programs and selection of optimum remedies. Two key principles, early identification of remedial actions and uncertainty management through impact mitigation deal directly with improved methods to select more effective remedies and better match remedies to ultimate site objectives. In addition, PPC has conducted feasibility studies for specific sites as a part of the CERCLA process.

#### *Remedy Design and Implementation*

PPC offers services in the design, implementation, and operation of remedial actions with special emphasis on new and innovative technologies. In addition to soil vapor extraction systems, PPC provides unique expertise in four very special technologies: in-well stripping, multi-phase extraction, in-situ reductive immobilization, and in-situ chemical oxidation.

## 4. Labor Category Descriptions

### 4.a. Project Manager

**Experience:** 6+ years of program or project management experience.

**Education:** Bachelor's degree in a relevant field, including engineering, science, environmental science, public policy or administration, business, management, management information, or project-related discipline. Two years of additional project-related experience may be substituted for each year short of the required degree.

**Responsibilities:** Provide overall direction, control and reporting of multiple projects. Provide technical and management guidance to ensure all schedule, deliverable, and cost objectives are achieved successfully. Oversee the development of all required project documentation, including budgets, project schedules, and various planning and implementation documents. Determine and acquire resources to complete the various elements and tasks of projects. Ensure high quality deliverables and services, including their technical content, completeness, and accuracy, prepared in accordance with the agreed to schedule and budget of the applicable task or delivery order. Direct, advise, and manage technical and administrative project staff.

### 4.b. Senior Environmental Engineer

**Experience:** 8+ years of related experience.

**Education:** Bachelor's degree in a relevant field, including environmental science, engineering, computer science, mathematics, or project-related discipline. Two years of additional project-related experience may be substituted for each year short of the required degree. For related disciplines, a Professional Engineer (P.E.) or Professional Geologist (P.G.) certification is desirable, but not mandatory.

**Responsibilities:** Manage and oversee complex environmental engineering projects. This can include RCRA corrective measures studies, CERCLA remedial investigations and feasibility studies, and RCRA and CERCLA corrective action and cleanup projects. Oversee and review plans and specifications, including environmental remedial designs, specifications, and cost estimates. Conduct and oversee remedial treatability and pilot studies. Manage and oversee remedial implementation including system construction and operation and maintenance. Provide senior environmental engineering support to remedial site investigations and environmental permitting and compliance projects. Review the technical writing of remedial plans prepared by more junior engineers. Manage remedial projects in the field, including environmental construction. Senior level field oversight can include remedial investigations, feasibility studies, remedial design and remedial action, construction management, and operations and maintenance. Provide senior level review and approval of engineering and environmental planning and reporting documents. Oversee and review the work of more junior engineers.

### 4.c. Senior Risk/Economic Analyst

**Experience:** 8+ years of related experience.

**Education:** Graduate degree in a relevant field, including finance, insurance, risk management, accounting, statistics, or project-related discipline. Such fields include economics, business finance, business administration, public policy or administration, engineering management, decision systems, or management information. Two years of additional project-related experience may be substituted for each year short of the required degree.

**Responsibilities:** Direct, plan, and design research to aid in interpretation of and solution of complex problems with risk or economic relationships. Conduct modeling, cost-benefit analysis, and risk or

financial analysis. Study environmental, human health, economic, or statistical data in area of specialization. Devise methods and procedures for collecting and processing data, using knowledge of available sources of data, and applying relevant metric and sampling techniques. Formulate recommendations, policies, or plans to aid in the interpretation or solution of risk or economic issues. May plan and develop project activities with significant impact. May plan, organize, and supervise work of medium to large staff of professionals and support staff. Also may be skilled in producing conceptual site models, designing and managing field work, and preparing reports including generic and detailed quantitative risk assessments. Provide guidance on interagency or interdepartmental projects to customer agency leaders and department heads. Serve as a high-level subject matter expert on project-related matters, such as assessing regulatory compliance and potential impact on established programs, procedures, organizational culture, or regulatory authority.

#### **4.d. Senior Audit Specialist**

**Experience:** 8+ years of related experience

**Education:** Bachelor's degree in a relevant field, including science, engineering, or project-related discipline. Two years of additional project-related experience may be substituted for each year short of the required degree. Qualification as an environmental professional, as defined by 40 CFR Part 312, is desirable or mandatory dependent upon the nature and requirements of the project or delivery order.

**Responsibilities:** Oversee and conduct environmental and other related consultancy services, including such areas as environmental planning, environmental compliance, environmental due diligence, environmental audits, environmental impact assessment, ecology, noise and air quality, water quality, environmental management systems, pollution prevention, and environmental economics. Possess a solid grounding in the legal, regulatory, and technical aspects of a broad range of environmental and/or other project-related issues. Also may have focus and experience supervising or overseeing environmental, health, and safety audits of government, industrial, and commercial facilities; and reporting back for legal, financial and transactional purposes. Prepare reports assessing potential environmental, health and safety, liability, compliance, and operational status and risks at these facilities. Oversee and provide senior level support to the collection, analysis, collation and reporting of environmental data; and design and coordination of environmental assessments, audits, reviews and associated mitigation programs. Oversee and review the work of more junior auditors, particularly when supervision and oversight by a qualified as an environmental professional, as defined by 40 CFR Part 312, is required for a project or delivery order.

#### **4.e. Senior Training Specialist**

**Experience:** 4+ years of related experience.

**Education:** Bachelor's degree in a relevant field, including education training and development, political science, environmental science, engineering, management information, or project-related discipline. Two years of additional project-related experience may be substituted for each year short of required degree.

**Responsibilities:** Conduct research necessary to develop and revise training courses, and prepare appropriate training catalogs. Coordinate the gathering and assembly of information pertaining to the subject matter, and the organizing and condensing of materials. Design and develop courses and instructional material (such as course outline, background material, and training aids) to educate both technical and non-technical audiences. Design and develop student materials (such as course manuals, workbooks, handouts, completion certificates, and course evaluation forms). Identify and coordinate with subject matter experts during the development and implementation of curriculum. Train personnel by conducting formal classroom courses, workshops, seminars, internet-based, and

computer-based/computer-aided training. Conduct professional delivery of designed educational courses at customer and remote locations. Evaluate the effectiveness of course content and make necessary adjustments to existing materials and delivery methods. Oversee pre-event logistics (such as hotel, conference, and training facilities); plan staffing for events; and provide on-site management of note takers, systems support, and audio-visual support. Provide daily supervision and direction to more junior training staff.

#### 4.f. Engineer

**Experience:** 4+ years of related experience.

**Education:** Bachelor's degree in a relevant field, including engineering, environmental science, physics, computer science, mathematics, or project-related discipline. Two years of additional project-related experience may be substituted for each year short of the required degree. For related disciplines, working toward a Professional Engineer (P.E.) or Professional Geologist (P.G.) certification is desirable, but not mandatory.

**Responsibilities:** Prepare draft work plans, reports, and correspondence for internal review. Develop engineering drawings (conceptual and detail) in cooperation with design and drafting team. Compile, interpret, and evaluate environmental and other relevant regulations and technical and engineering requirements. Solve problems using standard engineering methods. Coordinate project tasks, including implementation of field work and participation in design efforts. Participate in field investigation and data collection activities, including field sampling. Support field subcontractor liaison and oversight. Project work can include remedial investigations, feasibility studies, remedial design and remedial action, construction management, and operations and maintenance. Assist in the writing of engineering and environmental planning and reporting documents, and support engineering, environmental, and other risk assessment research and data collection. Oversee and review the work of more junior engineers.

#### 4.g. Risk/Economic Analyst

**Experience:** 3+ years of related experience.

**Education:** Bachelor's degree in a relevant field, including finance, insurance, risk management, accounting, statistics, or project-related discipline. Such fields include economics, business finance, business administration, public policy or administration, engineering management, decision systems, or management information. Two years of additional project-related experience may be substituted for each year short of the degree.

**Responsibilities:** Assist senior risk/economic analyst and other project staff in researching and interpreting problems with risk or economic relationships. Support modeling, cost-benefit analysis, and risk or financial analysis. Assist in the collection, research, and analysis of environmental, human health, economic, or statistical data. Support the collection and processing of data, using available sources of data, and applying relevant metric and sampling techniques. Support the development of recommendations, policies, or plans to aid in the interpretation or solution of risk or economic issues. Also may support the development of conceptual site models, conduct of field work, and preparation of reports including generic and detailed quantitative risk assessments.

#### 4.h. Trainer

**Experience:** 2+ years of related experience.

**Education:** Bachelor's degree in a relevant field, including education training and development, political science, environmental science, engineering, management information, or project related discipline.

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Two years of additional project-related experience may be substituted for each year short of required degree.

**Responsibilities:** Assist in research related to training course development and revision, and in preparing appropriate training catalogs. Support the gathering and assembly of information pertaining to the subject matter, and the organizing and condensing of materials. Assist in designing and developing one or more course and instructional modules and materials (such as course outline, background material, and training aids). Assist in designing and developing one or more student materials (such as course manuals, workbooks, handouts, completion certificates, and course evaluation forms). Work closely with subject matter experts during the development and implementation of curriculum. Assist in the facilitation and logistical aspects during formal classroom courses, workshops, seminars, internet-based, and computer-based/computer-aided training. Support delivery of designed educational courses at customer and remote locations. Support the evaluation of the effectiveness of course content and adjustments to existing materials and delivery methods. Assist in pre-event logistics (such as hotel, conference, and training facilities) and on-site support, such as note taking, systems support, and audio-visual support.

#### 4.i. Auditor

**Experience:** 3+ years of related experience.

**Education:** Bachelor's degree in a relevant field, including science, engineering, or project-related discipline. Two years of additional project-related experience may be substituted for each year short of the required degree.

**Responsibilities:** Support and assist in providing environmental and other related consultancy services, including such areas as environmental planning, environmental compliance, environmental due diligence, environmental audits, environmental impact assessment, ecology, noise and air quality, water quality, environmental management systems, pollution prevention, and environmental economics. Possess an understanding of the legal, regulatory, and technical aspects of one or more environmental and/or other project-related issues. Also may have experience assisting in environmental, health, and safety audits of government, industrial, and commercial facilities. Prepare one or more sections of reports assessing potential environmental, health and safety, liability, compliance, and operational status and risks at these facilities. Assist senior auditors in the collection, analysis, collation and reporting of environmental data; and preparation of environmental assessments, audits, reviews and associated mitigation programs.

#### 4.j. Junior Engineer

**Experience:** 1 to 2+ years of related experience.

**Education:** Bachelor's degree in a relevant field, including engineering, environmental science, physics, computer science, mathematics, or project-related discipline. Two years of additional project-related experience may be substituted for each year short of the required degree.

**Responsibilities:** Prepare draft work plans, reports, and correspondence for internal review. Develop engineering drawings (conceptual and detail) in cooperation with design and drafting team. Compile, interpret, and evaluate environmental and other relevant regulations and technical and engineering requirements. Solve problems using standard engineering methods. Coordinate project tasks, including implementation of field work and participation in design efforts. Participate in field investigation and data collection activities, including field sampling. Support field subcontractor liaison and oversight. Project work can include remedial investigations, feasibility studies, remedial design and remedial action, construction management, and operations and maintenance. Assist in the writing of engineering

and environmental planning and reporting documents, and support engineering, environmental, and other risk assessment research and data collection.

#### 4.k. Research Specialist

**Experience:** 3+ years of related experience.

**Education:** Bachelor's degree in a relevant field, including engineering, environmental science, public policy or administration, computer science, mathematics, or project-related discipline.

**Responsibilities:** Conduct scientific and other technical research, analysis, and testing (including field-based), and prepare analytical documents of results, findings, and recommendations. Work independently to perform research, experiments and data acquisition and analysis, and to maintain data records of varying technical complexity. Develop and refine analytical and research methodologies, protocols, and techniques to improve research quality. Establish and ensure adequate and complete research performance, technical standards, and documentation. Ensure accuracy and completeness of data and results of project or delivery order requirements. Design, implement, and manage surveys, including questionnaires and other survey formats for use in gathering and reporting data, and apply statistical procedures and tabulations in the analysis of collected data. Assemble and manage data sets, and process and analyze survey information, trends, and data. Analyze and interpret data, using statistical research programs or other methods, and make projections based on statistical inference. Analyze a wide variety of technical, programmatic, and management issues and recommend solutions to enhance program delivery. Develop and produce executive summaries and detailed reports of research findings, limitations, follow-up activities, and recommendations. This includes the preparation of statistical tables and charts for compilation into manuals, handbooks and reports. Provide consultation to project staff to aid in the development of appropriate assessment and evaluation mechanisms for projects and services. Oversee and train project staff in the collection, processing, tabulation and analysis of research data. Perform literature searches and reviews, including internet-based research.

#### 4.l. Policy Analyst

**Experience:** 1 to 2+ years of related project experience.

**Education:** Bachelor's degree in a relevant field, including political science, history, public policy or administration, land use, business, computer science, information systems management, or project-related discipline. Two years of additional project-related experience may be substituted for each year short of the required degree.

**Responsibilities:** Conduct analyses of legislation, regulations, policies and guidance in support of the development of initiatives, programs, projects and other requirements, and resolution of issues and problems. Define the scope and content of analyses, including relevant technical research to be conducted and laws, regulations, policies and other data and information to be collected and used. Prepare approaches to be considered and selected to undertake analyses. Collect, analyze, and incorporate and integrate relevant subject matter into reports, recommendations, and other primary and supporting documents. Support also can include emerging environmental and energy issues and policy matters, such as climate change policy, energy policy, sustainability, resource management, and other emerging environmental and energy issues and challenges.

#### 4.m. Administrative Assistant

**Experience:** 1+ years of general administrative experience.

**Education:** High School diploma or equivalent required.

**Responsibilities:** Assist project managers and technical staff with financial management and other contract and project support. This can include assisting with the organization of tasks, preparation for

meetings, and completion of contractually required paperwork. Provide general-purpose administrative and clerical support that includes word processing, graphics, desktop publishing, and other coordination.

#### 4.n. Graphics Specialist

**Experience:** 2+ years of related computer graphics or project experience.

**Education:** High school diploma or equivalent required.

**Responsibilities:** Plan, develop and produce graphics, multimedia and other specialized media solutions. Develop and publish traditional, free hand or electronic media. Provide computer graphics artist and technical illustrator services such as layout, design and development of graphics, technical illustrations, presentation graphics, and 4-color separation using computer workstations and outputting documents to laser printers and high-resolution phototypesetters. Apply the principles of effective report design of tabular data. Convert graphical files from one format or system to another. Develop documents pertaining to technical data, such as work or process flow, technology and environmental processes, and mechanical views. Advise users and clients on the most effective ways to present graphical descriptions that compliment textual descriptions. Understands and uses industry-standard desktop publishing and graphics software packages to develop concepts and design illustrations.

#### 4.o. Remediation Engineer

**Experience:** 6+ years of related experience.

**Education:** Bachelor's degree in a relevant field, including geology, hydrogeology, environmental science, engineering, earth science, or other project-related field. Two years of additional project-related experience may be substituted for each year short of the required degree. Current OSHA 40-hour HAZWOPER training is desirable.

**Responsibilities:** Conduct or oversee hydrogeologic field investigations which may include sampling of surface water, ground water and soil, and supporting environmental investigations. Duties can include developing field work plans, drilling permit applications, health and safety plans, quality assurance project plans, and various other project-related field and technical protocols and standard operating procedures. Compile laboratory data into tables and spreadsheets; prepare and review boring logs; and analyze data and draft field investigation reports, figures, tables and appendices. Assist in writing and obtaining field service subcontractor quotes, and scheduling and overseeing field service subcontractor personnel during drilling and sampling activities. Also assist project manager in undertaking site project management responsibilities, including logistical planning before commencement of field activities; project and field staffing and recruitment; developing and monitoring schedules; reporting technical progress and budget expenditures; and communicating and coordinating with client representatives. Typically possesses project-related "hands on" and practical field experience. Experience may also include process development, design and construction within chemical industry or industrial and municipal wastewater treatment.

## 5. Pricing

Item
SIN 899-1 & 899-1RC: Environmental Planning and Services Documentation
SIN 899-3 & 899-3RC: Environmental/Occupational Training Services
SIN 899-8 & 899-8RC: Remediation Services

<b>GSA Contract Prices as of Modification PS0011 as of 10/28/2010</b>	
<b>Labor Category</b>	<b>Hourly Rate</b>
Project Manager	\$194.07
Senior Environmental Engineer	\$190.94
Senior Risk/Econ Analyst	\$198.36
Senior Audit Specialist	\$185.97
Senior Training Specialist	\$136.14
Engineer	\$122.41
Risk/Economic Analyst	\$105.38
Trainer	\$87.67
Auditor	\$105.10
Junior Engineer	\$80.74
Research Specialist	\$68.30
Policy Analyst	\$58.47
Administrative Assistant	\$54.68
Graphics Specialist	\$52.89
Remediation Engineer	\$140.47

*Offerors shall specify the Labor Category(ies) proposed and the hourly rates for each. Total price for consulting services will be established at the time the Task/Delivery Order is placed and will be based on the prices offered herein. The estimated number of hours negotiated with the ordering agency and the labor category(ies) provided will be shown on the resultant Task/Delivery Order.*

*If the agency Contracting Officer chooses to purchase from this SIN on a Labor Hour basis, the resultant Task/Delivery Order shall specify the Not To Exceed price, the Labor Category(ies) proposed (with the hourly rates for each), and the Other Direct Costs (ODCs).*