



Environmental Services



General Services Administration
Authorized Federal Supply Schedule Price List
FSC Group 899, Class F899

Contract Number

GS-10F-0349T

Base Period

8/28/2007 to 8/27/2012, plus 3 Option Periods of 5 years apiece

Special Item Numbers

899-1 & 1RC; 899-2 & 2RC; 899-4 & 4RC; 899-7 & 7RC; 899 8 & 8RC

Socioeconomic

Small Business
SBA Certified Small Disadvantaged Business
SBA Certified 8(a) Firm

Contact

[Bijay K. Panigrahi, Ph.D., P.E., P.G., D.WRE](#)

BPC Group Inc.

6925 Lake Ellenor Dr., Suite 112

Orlando, FL 32809

E-mail: spanigrahi@bpcgi.com

Phone: (407) 851-5020

Web: www.bpcgi.com

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Introduction to BPC Group

Founded in 1995, BPC Group develops high-quality, innovative, and cost-effective solutions to complex environmental problems. Our mission is to help our clients creatively, professionally, and responsibly address the technical, managerial, and regulatory aspects of their environmental challenges, in a cost-effective manner.

BPC Group delivers services to government agencies and private sector clients throughout the nation. Our typical project involves one or more of the following service areas: civil engineering, environmental science and engineering, geotechnical engineering, hydrogeology, and water resources engineering. Our services also include water quality studies, environmental and water resources modeling, geographic information systems (GIS), and statistics/geostatistics. Our clients attest to the quality and responsiveness of our services by repeatedly entrusting us with some of their most challenging environmental projects.

In every project, we:

Deploy highly skilled professionals. BPC Group employs highly competent environmental professionals, including engineers, geologists, hydrologists, ecologists, and computer scientists, among others. A few examples of the professionals available to lead our GSA projects include:

Bijay K. Panigrahi, PhD, PE, PG, D.WRE	25+ years of experience
Andre Cadogan, PE	15+ years of experience
Glen J. Richardson, PG	10+ years of experience
Ali Sadeghi Nad, PhD	15+ years of experience

Communicate effectively with our clients. At the outset of each project, BPC Group asks incisive questions of our clients, to ensure that we understand all project objectives. We continue to communicate closely with our clients throughout each project. We actively seek input from our clients, and we ensure that they always have up-to-date information on the technical and financial status of each project. When issues arise—for example, if initial analyses of field samples yield results that are well out of the anticipated range—we immediately inform our clients, and work closely with them to develop appropriate mid-course adjustments to project plans.

BPC Group prides itself on the substantive and editorial quality of our written products and in presenting formal and informal briefings that succinctly and clearly transmit complex information.

Equip our professionals with advanced information technology tools. BPC Group maintains the latest in computer facilities for engineering design, data analysis, and graphics design and display. BPC Group's computer code library contains more than 50 software programs. They cover a broad range of specialty fields, including most commonly used hydraulics, hydrologic, water quality, environmental, geotechnical, hydrogeologic, statistical, geostatistical, and management models. BPC Group also maintains the latest versions other software packages, such as word processing, spreadsheets, drafting and graphics, CADD, GIS, communications, databases, scientific language compilers, and other editing and information management systems.

Apply rigorous Quality Assurance and Quality Control (QA/QC). BPC Group follows a proven QA/QC program with appropriate procedures in place to control investigative, engineering, design, and remediation activities. BPC Group's task leaders have experience with all applicable standards of governmental and regulatory agencies including state and federal organizations.

Stay on time and within budget. BPC Group places a priority on completing projects on schedule and within the established budget, and looks for ways to reduce costs throughout the life of a project. As a measure of success, BPC Group has never asked for a cost overrun in the history of the company.

Meet all administrative obligations. Under the GSA contract and other government contracts, it is essential to meet all administrative and contractual obligations. We prepare high-quality, clear progress reports and invoices on a timely basis. We meet all special reporting requirements, such as breaking out some costs by sub-project or sub-task. Our government clients know that they can trust us to get the project done right, on time, and within budget while simultaneously adhering to the special requirements inherent in government contracts.

Services Offered under our GSA Contract

BPC Group combines technical knowledge, experience, and advanced resources to provide comprehensive environmental expertise in the following specialty areas.

SIN 899-1: Environmental Planning Services and Documentation

- Environmental Impact Assessment and Statement
- Endangered Species and Wetlands Analysis
- Watershed and Other Natural Resource Management Plans
- Environmental Program Management and Environmental Regulation Development
- Economic, Technical and/or Risk Analysis
- Vulnerability Assessments
- Biochemical Protection
- Identification and Mitigation of Threats

SIN 899-2: Environmental Compliance Services

- Environmental Compliance Audits
- Compliance Management and/or Contingency Planning
- Permitting
- Spill Prevention Control and Countermeasure Plans
- Pollution Prevention Surveys
- ISO 14000, Environmental Management Systems (EMS)
- Community Right-to-Know Act Reporting

SIN 899-4: Waste Management Services

- Data Collection
- Feasibility or Risk Analysis
- Source Reduction
- RCRA/CERCLA Site Investigation
- Hazard and/or Non-Hazard Exposure Assessments
- Waste Characterization Studies
- Review and Recommendation of Waste Tracking or Handling Systems
- Waste Management Plans and/or Surveys
- Review of Technologies and Processes Impacting Waste Management
- Management, Furnishing, or Inventory of Material Safety Data Sheets
- Reporting and Compliance Software
- Development of Emergency Response Plans
- Hazardous/Non-Hazardous Materials Tracking Software
- Creation and Maintenance of HAZMAT Tracking Systems

SIN 899-7: Geographic Information Services

- Mapping and Cartography
- Natural Resource Planning
- Site Selection
- Migration Pattern Analysis
- Pollution Analysis
- Emergency Preparedness Planning
- Geologic Logs, Topographic Data, 3D/4D Interactive Visualization Packages
- Data Interpretation

SIN 899-8: Remediation Services

- Preparation, Characterization, Field Investigation, Conservation and Closure of Site
- Long-Term Monitoring/Long-Term Operation (LTM/LTO)
- Containment, Monitoring and/or Reduction of Hazardous Waste Sites
- Ordnance Removal and Support
- Wetland Restoration
- Emergency Response
- UST/AST Removal
- Air Monitoring
- Soil Vapor Extraction
- Stabilization/Solidification
- Bio-Venting
- Carbon Absorption

Examples of BPC Group Projects

BPC Group has a distinguished record of providing high-quality environmental services. Here are some examples.

Watershed and Other Natural Resources Management Plan, Environmental Regulation Development, and GIS

SINs: 899-1 & 899-7

Client: South Florida Water Management District (SFWMD)

BPC Group provided watershed and other natural resources management plans including environmental program management and environmental regulation development. The primary project objective was to reevaluate the rule used for flood protection within the C-51 Canal Basin. The total drainage area for hydrologic and hydraulics (H&H) modeling included 177 square miles in east central Palm Beach County, including 14 square miles covering ACME Basin B. BPC Group provided the following services as a sub-consultant for this project.

- **GIS and Basin Delineation.** Assisted prime in data collection, field reconnaissance, initial evaluation and verification, digital terrain model development, and basin and sub-basin delineation. Developed ArcGIS® database and hydraulic structure location maps for usage during modeling phase. Divergent LIDAR inputs were used consisting of hundreds of megabytes of data and fusing them together required a unique application of both engineering and GIS processes, resulting in a defensible and valuable digital terrain model.
- **H&H Model Development and Calibration.** Developed design storm, selected calibration storm event, generated sub-basin runoff hydrographs, and evaluated performance of the C-51 Canal system. HEC-HMS and HEC-RAS models were calibrated with the storm event of the hurricane Irene.
- **H&H Model Application.** Applied the model for baseline simulations (with existing basin rule criteria) and modified simulations (with modified allowable discharges) for design storm events (10-year and 100-year, 72-hour storms), which included modifications for Federal Improvements (a storage reservoir STA-1E, a pump station S-319, and a control structure S-155A along the C-51 Canal, and pump stations S-361 and S-362). Also completed performance evaluation of three stormwater management alternatives for the ACME Basin B.
- **Basin Rule Development.** Assisted prime and the District in the rule development process.

Project Highlights

- ✓ Coordinated with USACE, Palm Beach County, SFWMD, Drainage Districts, Review Committee
- ✓ Compiled, mapped and modeled pump stations, spillways (Ogee, Broad Crested, Drop), gated structures (Radial, Amil, Sluice), bridges, culverts, weirs along primary and secondary canals
- ✓ Modeled 177 sq mi of drainage basin, water management operations, 21 miles of primary canal (C-51) and 44 miles of secondary canals
- ✓ Calibrated to storm event of Hurricane Irene

Threatened & Endangered Species Survey and Permitting Support under a Task Order Contract

SIN: 899-1

Client: Orlando Utilities Commission (OUC)

BPC Group completed a number of task orders as part of the Environmental Continuing Services Contract, which included threatened and endangered species surveys, wetland analysis, and environmental permitting. Examples of relevant projects included:

Transmission Line Corridor Survey - Threatened and Endangered Species Survey and Permitting. BPC Group performed the Threatened and Endangered species survey along the 120-foot wide, 16.3-mile long electric transmission line corridor in St Cloud, Florida. The survey included wildlife animals and plants in accordance with National Guidelines. BPC Group performed the tree survey and prepared the permit for tree clearance to Osceola County and State of Florida DEP, assessed the environmental impact on the construction of the transmission line, prepared a remedial plan for Gopher Tortoise relocation (Incidental Take Permit), and obtained approval from the Florida Department of Fish and Wildlife.

Electric Substation - Threatened and Endangered Species Survey and Permitting. BPC Group performed the Threatened and Endangered species survey for construction of the Magnolia Ranch Electric Substation located in Orange County, Florida. The survey included wildlife animals and plants in accordance with National Guidelines, including that for the Gopher Tortoise. BPC Group prepared the Gopher Tortoise Incidental Take Permit and obtained approval from the Florida Department of Fish and Wildlife.

Lake Holden Terrace Stormwater Management System Improvement: Watershed and Other Natural Resource Management Plan and Environmental Program Management

SIN: 899-1

Client: Orange County Environmental Protection Division (OCEPD)

BPC Group performed the study and design activities. We developed a design report that addressed hydrologic and hydraulic analyses of a 47-acre urban basin, treatment alternatives, and construction cost. BPC Group also prepared a construction bid package. Dr. Bijay Panigrahi of BPC Group was the Engineer-on-Record for the project.

- **Project Elements.** The project involved retrofitting a 72-inch RCP stormwater outfall system by constructing a cost-effective stormwater treatment system to reduce pollutant loadings to the Lake Holden in Orange County, Florida from one of its drainage sub-basins. The project was completed for the Orange County Environmental Protection Division, and was funded jointly by the South Florida Water Management District and the St. Johns River Water Management District. The project involved: (a) Phase I, consisting of a study and conceptual design activities; (b) Phase II, consisting of the detail design including development of plans and specifications; and (c) Phase III, involving construction of the treatment system.
- **Hydrologic & Hydraulic Modeling.** BPC Group developed a hydrologic and hydraulic model of the stormwater management system for the 47-acre Lake Holden Terrace sub-basin using ICPR. Associated field verification of the stormwater infrastructure was completed prior to development of the existing system model. The regulatory storm events (first flush, 10-, 25-, and 100-year, 24-hour storm events) with the Orange County rainfall distribution were simulated to estimate the hydrologic and hydraulic responses of the existing stormwater conveyance system. The deficiencies of the existing system were identified and conveyance improvements were recommended.
- **Stormwater Treatment System.** BPC Group evaluated several stormwater treatment alternatives to document their capabilities to remove or reduce pollutants from stormwater runoff prior to discharging to Lake Holden through the 72-inch RCP outfall. The various systems were compared for their treatment capabilities, bypass and design

flow handling abilities, foot-print requirements and land acquisition feasibility, and construction and maintenance costs. The final design recommendation consisted of a customized Continuous Deflective Separation treatment system that is capable of handling peak discharge resulting from a 10-year, 24-hour design storm event.

- **Design Plans and Specifications.** BPC Group developed the design (certified engineering) report that addressed hydrological/hydraulic engineering, treatment alternatives, and construction cost. The design plans and specifications were prepared in AutoCAD® and electronically delivered to the Orange County Public Works Department. The cost estimates for the bid package was prepared using FDOT pay items.

A construction bid package was prepared in accordance with Orange County Public Works Department minimum standards. The final bid package included construction plans, technical provisions, standard provisions, cost estimate and quantity backup, and all permits and geotechnical reports. The construction plans included general notes, site grading plans, cross sections, roadway approach reconstruction plans, landscaping plans and structural plans and details.

BPC Group subsequently provided limited construction inspection services.

Environmental Permitting and Litigation Support for the Marlin Sub-Station Project

SIN: 899-2

Client: Florida Power & Light Company (FP&L)

The objective was to provide technical services in support of environmental permits for the Marlin Sub-station project in Palm Beach County, Florida. This project was proposed to be built within the C-51 Canal Basin. There was a dispute between property owners and the Florida Power & Light (FP&L) over the hydrologic and hydraulic and environmental impacts of the proposed project on private properties. The residents had filed a petition with the Florida Department of Environmental Protection (FDEP) which was scheduled for an administrative hearing before the FDEP could issue the relevant construction permits. BPC Group provided water resource and environmental engineering advice and documents to dispute the claims made against the project. BPC Group participated in fact-finding investigations and in settlement negotiation sessions with the client and the objectors (petitioners). BPC Group provided a top-quality environmental engineering report to the client which was shared with the petitioners. After reviewing the document and discussion with BPC Group, the residents withdrew their petition and FDEP issued the construction permits.

BPC Group's services saved FP&L significant time and expense on this important utility project. The work and reports that was done was of high quality and withstood all reviews from objectors and regulatory agency professionals. The client was highly satisfied with the responsiveness and quality of our work. The client was very pleased that the objectors dropped their opposition as FP&L was anticipating the potential for a full-blown administrative challenge process.

Permitting, Compliance Management, and Contingency Planning under a Task Order Contract

SIN: 899-2

Client: Orlando Utilities Commission (OUC)

BPC Group completed a number of task orders as part of the Environmental Continuing Services Contract, which included environmental permitting, compliance management, and contingency planning under this continuing services contract. The following are examples of our work under this contract.

Wetherbee Road Extension—Contingency Planning/NPDES Permitting. BPC Group provided comprehensive environmental services in support of the NPDES permit for construction of three box culverts under the OUC railroad tracks located north of Wetherbee

Road extension in Orange County, Florida. The services included data collection and evaluation (geologic, geotechnical, hydrologic, hydrogeologic, and water quality), site investigation including well installation, soil and water sampling and analyses, data validation and QA/QC, evaluation of soils and geotechnical data for the foundation analysis, foundation analyses and determination of bearing capacity of site soils, construction specifications along with recommendation to improve bearing capacity to desired level, and negotiation with the local and regional regulatory agencies in obtaining the NPDES permit (NOI) for discharge of produced ground water to surface water body.

St. Cloud Duct System—NPDES Permitting/Compliance Management. BPC Group provided the environmental services in support of getting approval for the NPDES permit for construction of the 2-mile long electric duct system in St. Cloud, Florida. The services included data collection and evaluation (geologic, hydrologic, hydrogeologic, and water quality), site investigation including well installation, soil and water sampling and analyses, data validation and QA/QC, and negotiation with the local and regional regulatory agencies in obtaining the NPDES permit (NOI) for discharge of produced ground water to surface water body.

Orlando Duct Line—NPDES Permitting/Compliance Management. BPC Group provided environmental services in support of getting approval for the NPDES permit for construction of the electric duct system along Hughey Avenue, South Street and Anderson Street in downtown Orlando, Florida. The services included data collection and evaluation (geologic, hydrologic, hydrogeologic, and water quality); site investigation, including well installation, soil and water sampling and analyses, data validation and QA/QC; and negotiation with the local and regional regulatory agencies in obtaining the NPDES permit (NOI) for discharge of produced ground water to a surface water body.

Lake Nona Substation—Site Assessment/NPDES Permitting. BPC Group provided comprehensive environmental services in support of getting approval for the NPDES permit for construction of the electric substation at Lake Nona site in Orlando, Florida. The services included data collection and evaluation (geologic, hydrologic, hydrogeologic, and water quality); site investigation, including well installation, soil and water sampling and analyses, data validation and QA/QC; and negotiation with the local and regional regulatory agencies in obtaining the NPDES permit (NOI) for discharge of produced ground water to a surface water body.

Crane Strand WBIDs Water Quality Improvement Study, Phase I

SIN: 899-2

Client: Orange County Environmental Protection Division (OCEPD)

The Florida Department of Environmental Protection (FDEP) mandated that a Total Maximum Daily Load (TMDL) for fecal and total coliform for Crane Strand and Crane Strand Drain water body identification (WBIDs) must be reduced by 49.2 and 31.8 percent, respectively, to meet the TMDL criteria. The Crane Strand study area is about 18 square miles in Orange County, Florida. The primary project objectives were to identify probable sources of the pollutant loads that result in the dissolved oxygen (DO) and coliform values exceeding the State of Florida water quality criteria for this impaired water, and to identify best management practices (BMPs) to reduce the applicable loadings. BPC Group provided the following services for this project as a subconsultant.

BPC Group reviewed the data that included GIS coverages showing potential septic tank locations, locations of sanitary sewer lines, known point sources, records of sanitary sewer overflows (SSOs), and water quality sampling data. BPC Group performed a “windshield” survey of the study area to gain an understanding of its characteristics; and created base maps using ArcGIS (version 9) with available layers which include digital color aerial photography, roads, water bodies, parcel, and land use data.

BPC Group prioritized the water bodies based on the exceedance levels of coliform and DO impairments, and identified the potential contributory sources along with quantitative

distinction between human and non-human sources for each water body. In addition, pollutant loads were estimated for each land use category within the study area for BOD5, TN, and TKN.

Based on review of the existing data, BPC Group provided a recommended sampling plan, the purpose of which was to refine the understanding of water quality and to identify the major contributory sources within the study area. The recommended sampling plan included sample locations, frequency, duration, and parameters (coliforms, BOD5, TKN, TN, and DO) along with flow measurements and source characterization of the samples to distinguish between human and non-human sources.

The alternative evaluations involving BMPs for water quality improvement are expected to be completed during Phase II of the study.

Data Collection, Waste Management, and Source Reduction for the Lamb Island Tributary Stormwater Treatment Project

SIN: 899-4

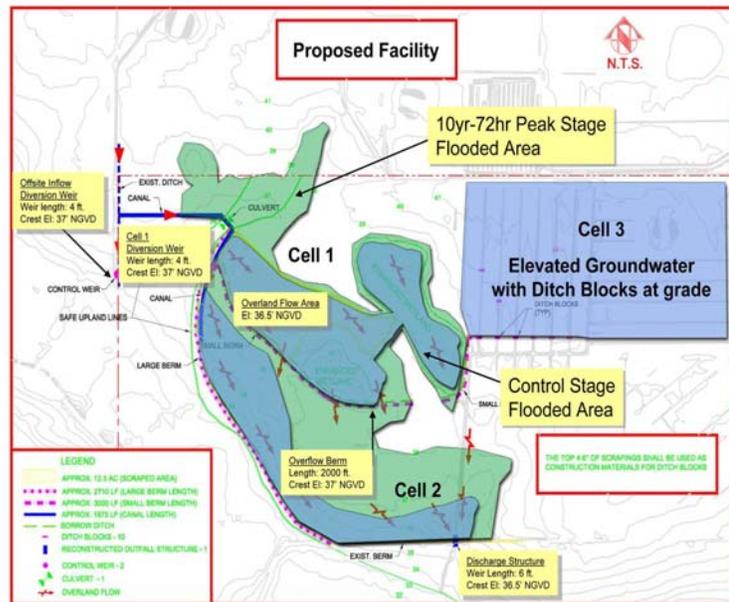
Client: South Florida Water Management District (SFWMD)

The Lamb Island Tributary Stormwater Treatment area, which is owned by the South Florida Water Management District (SFWMD), is comprised of approximately 310 acres, including 116 acres of former sprayfields, 50 acres of drained wetlands, and pasturelands. It is located adjacent to Cypress and Chandler Sloughs, which are both tributaries to Lake Okeechobee.

This project is an important element in the overall ecosystem restoration of Lake Okeechobee and the Florida Everglades.

SFWMD intends to utilize this site as a Demonstration Project that may be adopted by individual local agricultural operations as a cost effective means of minimizing nutrient discharge to meet the SFWMD's regulatory requirements.

BPC Group participated as a sub-consultant to Greenhorne & O'Mara, and provided engineering analysis for evaluation of source reduction (remediation) alternatives. BPC Group performed collection and synthesis of hydrologic data that included land use, soils, water quality, rainfall, drainage boundary and topography. BPC Group performed the hydrologic modeling using the HEC-HMS of the site and the surrounding areas, developed pollutant load estimates, estimated the source reduction resulting from the treatment process, and assisted in developing the treatment alternatives and reviewing the recommended design specifications.



Data Collection, Site Investigation, Waste Characterization and Management under a Task Order Contract

SIN: 899-4

Client: Orlando Utilities Commission (OUC)

BPC Group completed a number of task orders as part of the Environmental Continuing Services Contract, which included waste management services including data collection, site investigation, waste characterization, waste management technologies and permitting. Some examples of our projects under this task order contract included the following:

Site Investigation and Waste Characterization—Copeland Site. The project objectives were to delineate the potential contamination from a former water storage tank that was decommissioned in the 1980s, and to develop remedial action plans. The site is located in an urban setting in downtown Orlando, Florida. BPC Group met with FDEP representatives and completed a site assessment in a manner consistent with the current standard of practice acceptable to the regulatory agencies. The scope of investigation included soil sampling and testing at more than 90 locations within the site for horizontal and vertical delineation of soils with elevated levels of lead and chlordane. The lead contamination resulted from paint, and chlordane resulted from the use of pesticides at the site. BPC Group delineated the quantity of soils above residential and commercial cleanup target levels, and estimated amounts that may need disposal or cleanup under applicable hazardous waste regulations.

Site Investigation and Waste Characterization—Gardenia Facility. BPC Group met with the Orange County Environmental Protection Division representatives and completed a site assessment in a manner consistent with the current standard of practice. The Gardenia Avenue Facility in Orlando, Florida consists of an island containing two 10,000-gallon aboveground storage tanks (ASTs) and a small triangular shaped, curbed grassy area. One of the tanks stores diesel fuel and the other stores unleaded gasoline supporting the fuel supply for the facility vehicles. The investigation was performed in support of preparing the site assessment report for a spill event that resulted from overfilling of the diesel fuel AST. The remediation activities at the spill site included excavation and removal of the contaminated soil from ground surface to approximately four feet deep, disposal of the contaminated soil by incineration, and filling the excavated area with clean sand fill. This site assessment was performed in compliance with the environmental regulation that involved soil assessment, ground water monitoring well installation, soil and ground water sampling and testing for range of relevant parameters (kerosene group). BPC Group also helped obtain no further action approval, and subsequently decommissioned the monitoring wells.

Site Remediation at Former Textile Mill, Plant No. 6, Albemarle, North Carolina

SINs: 899-4 & 8

Client: Dawson Consumer Products/UNT Consulting

The project site in Albemarle, North Carolina is a former textile mill. Varying concentration levels of PCE and its derivative products have been detected at several monitoring wells and at a former production well located within the site boundary. BPC Group was initially retained as a subcontractor by Vitillo Corporation from 1998 to 2002 and then by UNT Consulting (after the project was transferred to UNT Consulting) to provide hydrogeological and remedial engineering services on an as-needed basis. During the project, BPC Group provided the following services to the client for the project site.

- **Comprehensive Hydrogeological Assessment.** Performed a comprehensive hydrogeological investigation of the facility that involved soils and rock core samples for site and waste characterization, installation of shallow and deep monitoring wells in and around the facility, and ground water and surface water sampling for analytical testing in accordance with the North Carolina Department of Environmental Regulation requirements. Evaluated the ground water flow pattern, determined the plume pattern, delineated the contamination plumes within the facility and the project site, identified the

potential sources of contamination, and recommended needs for additional monitoring wells. Assist in ground water monitoring on as needed basis.

- **Aquifer Test for Site Remediation.** Performed in-situ permeability tests at additional monitoring wells, completed a step drawdown test for the production well (270 feet deep) containing the free products, conducted a 30-hour constant discharge test (pump test) followed by a 18-hour recovery test, characterized the hydrogeologic properties of the shallow overburden and deeper rock aquifers, and prepared the supplemental hydrogeological report in accordance with the North Carolina DER requirements. Assisted in adjustment of the interim carbon treatment system which was used to treat the pumped water during the aquifer test. Assisted on plume assessment on as needed basis.
- **Remedial System Design and Implementation.** Performed a qualitative risk analysis and assisted during selection and installation of the interim remedial system involving carbon treatment systems for the extracted ground water and soil vapor. Assisted in conducting pilot test study for the soil vapor extraction system for remediation of the project site. Assisted in plume containment evaluation, monitoring of the contaminant migration, and cleanup of the hazardous waste site on as needed basis.

Quality Assurance for Land Cover/Land Use, 1999 Mapping Project

SIN: 899-2

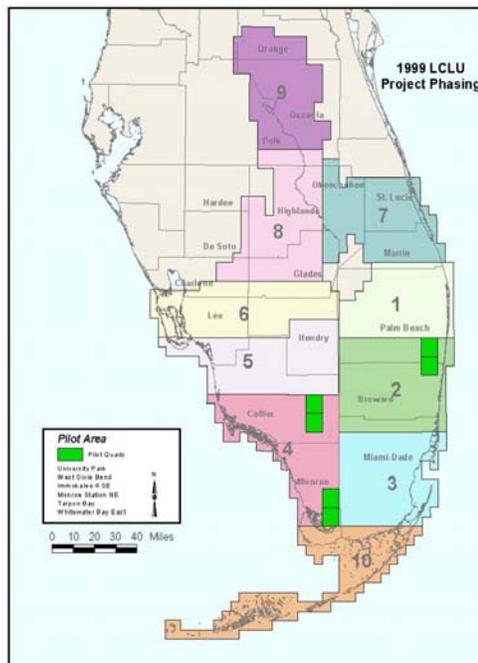
Client: South Florida Water Management District (SFWMD)

The primary objective of the project was to perform a quality assurance study of the land cover/land use maps for the entire South Florida Water Management District, which were prepared by a third-party contractor.

BPC Group's quality assurance study was completed for the SFWMD, and the scope of work was divided into 11 batches of deliverables (Pilot and 10 Sections).

BPC Group provided the service as a subcontractor to Photo Science.

The scope of work included mapping analysis using ArcGIS, photo interpretation, ground truth verification, statistical analysis for accuracy assessment, and recommendation. BPC Group performed the statistical analysis and accuracy assessment of the interpreted data by the contractor vs. Photo Science using ArcGIS Map tools. The services performed by BPC Group for each deliverable included intercepting ArcGIS files generated by Photo Science and the contractor, comparing the intercepted database to generate similarity matrices, performing multivariate statistical analyses of the error matrices, and providing conclusions relative to satisfying the quality assurance criteria.



GIS for Compliance Management, including Pollution Analysis, Migration Pattern Analysis, Data Interpretation, and Environmental Program Management

SIN: 899-7

Client: Orlando Utilities Commission (OUC)

The primary objective of the project was to obtain waiver of permit and prepare the Notice of Intent (NOI) for discharge of accumulated water from maintenance manholes (electric vaults) in the distribution line grid in Orlando, Florida. The following services were completed in support of this NOI preparation and approval process.

- Developed the ArcGIS coverage for the electrical grid network based on the client's ArcGIS geographic coverage.
- Georeferenced the manhole locations and other hydrologic and environmental features, and performed coordinate transformation to develop state plane coordinates for these locations and features.
- Acquired data for development of the GIS database and mapping, which included physiographic streets, stormwater utilities, hydrologic basin boundaries, water quality summaries, lakes and other receiving surface water bodies, location of permits, and an inventory of contaminated sites (i.e., sites with potential for contamination).
- Assessed the impact of the hydrologic and environmental features for the project and developed discrete mapping zones for the NOI.
- Developed the ArcGIS database coverage in accordance with FGDC standards, and prepared metadata in accordance with FGDC's "Content Standard for Digital Geospatial Metadata."

Site Closures and Long-Term Monitoring

SIN: 899-8

Client: Orlando Utilities Commission (OUC)

BPC Group completed a number of task orders as part of the Environmental Continuing Services Contract, which included preparation, characterization, field investigation, conservation and closure of former diesel fuel storage tank sites for water plant facilities. The following summarizes some of the projects under this task order contract.

Site Closure—Sky Lake Water Plant. BPC Group conducted a comprehensive contamination assessment and prepared the closure report for the former diesel fuel storage tanks within the Sky Lake Road water plant facility in Orange County, Florida. The scope included field investigation and characterization involving soil and ground water sampling, monitoring well installation, contaminant delineation, and submittal of the closure assessment report to Florida Department of Environmental Protection and the Orange County Environmental Protection Division. The report recommended closure of the site with no further action; the recommendation was subsequently approved.

Site Closure—Southwest Water Plant. BPC Group conducted a comprehensive contamination assessment and prepared the closure report for the former diesel fuel storage tanks within the southwest water plant facility at Turkey Lake Road in Orange County, Florida. The scope included field investigation and characterization involving soil and ground water sampling, monitoring well installation, contaminant delineation, and submittal of the closure assessment report to Florida Department of Environmental Protection and the Orange County Environmental Protection Division. The report recommended closure of the site with no further action; the recommendation was subsequently approved.

Site Remediation, Long-Term Monitoring and Site Closure—Pine Hills Water Plant.

BPC Group conducted a comprehensive contamination assessment and prepared the closure report for the former diesel fuel storage tanks within the Pine Hills water plant facility

in Orange County, Florida. The scope included field investigation and characterization involving soil and ground water sampling, monitoring well installation, contaminant delineation, and submittal of the closure assessment report to Florida Department of Environmental Protection and the Orange County Environmental Protection Division. The report recommended closure of the site with no further action; the recommendation was subsequently approved.

In addition, an investigation and site remediation was completed in response to a diesel spill event prior to removal of the storage tank. A long term ground water monitoring system was emplaced to monitor the natural attenuation of the residual petroleum constituents in the shallow soils.

Advantages of GSA Environmental Services Contracts

Does your agency need the services of a contractor to provide environmental services? Would you like to select and activate a contractor quickly, while minimizing your administrative and paperwork burdens, and ensuring that you will pay fair and reasonable prices?

The GSA Schedule program for Environmental Services might be an excellent solution for your requirement for support. Under this program, GSA has negotiated and signed contracts with many contractors—at favorable prices and with long periods of performance. The base period in BPC Group's contract, for example, lasts until 2012, with options to extend the contract until 2027.

Any federal agency or department can order services under these task order-type contracts, using streamlined procedures. You can select a contractor, issue a task order, and have the contractor begin work, typically within a few weeks, for small projects or large, multi-million dollar efforts.

Key advantages of using a GSA Environmental Services contractor include the following:

- Dozens of **highly qualified firms**, with task order contracts that are signed and in place. You choose which contractor will best meet your unique needs. GSA does not get involved in your selection process.
- Credit for achieving **socio-economic contracting goals**. If issue a GSA task order to BPC Group, for example, your agency will receive full credit for achieving contracting goals for small, disadvantaged 8(a) business concerns.
- **Dramatic time savings**. You can typically select and activate a contractor within a few weeks.
- **Minimal administrative burden**. When you place an order with a GSA contractor, the order will be considered to have been placed using “full and open competition.”
 - You are not required to synopsise the requirement in FedBizOpps.
 - GSA has already determined that prices offered by GSA contractors are “fair and reasonable.”
 - All applicable federal procurement laws and regulations, including “small business” set-asides, already have been applied.
- **No dollar limits** on task orders.
- **Flexibility**. For example, you can set up a “Blanket Purchase Agreement” (BPA) with a GSA contractor, in the event that you do not know the precise timing and level of effort of individual tasks that you would like the contractor to perform. You can use a BPA as an ordering device that your offices nationwide can participate in, allowing them to place orders directly.
- **Direct relationship** with the contractor.
 - Your agency will *not* have to transfer funds to GSA and will *not* have to set up an interagency agreement.
 - Your contractor will deliver services and associated progress reports and invoices directly to your agency. GSA does not inject itself into your client/contractor relationship.
- GSA contractors have wide latitude to select and use **subcontractors**.

How to Issue a GSA Task Order—3 Easy Steps

It is relatively easy for agencies to use GSA Schedule contractors.

Agencies may work directly with approved GSA Environmental Services contractors such as BPC Group. For orders under \$2,500, agencies can simply place an order with its contractor of choice. The following procedure is used to place orders above \$2,500.

There are 3 basic steps, which can be accomplished in a few weeks:

- 1.** Prepare a Statement of Work and give it to your Contracting Officer (CO).
- 2.** Select a GSA Schedule Contractor. For example, your CO can ask several Schedule Contractors to submit brief proposals and budgets within, say, 10 days. You and your CO will select a contractor using “best value” criteria. Except in rare circumstances, your selection is not subject to protest.
- 3.** Place your order directly with your selected contractor. Contractor begins work, and invoices the agency directly.

And remember: GSA does not get involved in your procurement process. You can, however, ask GSA for advice.

GSA Pricing

Labor Rates applicable to SINs 899-1 & 1RC; 899-2 & 2RC; 899-4 & 4RC; 899-7 & 7RC; 899-8 & 8RC. Pricing is Based on an Other Than Commercial Basis. All prices shown are inclusive of the 0.75% Industrial Funding Fee (IFF).

Labor Category	Base Period				
	8/28/07-8/27/08	8/28/08-8/27/09	8/28/09-8/27/10	8/28/10-8/27/11	8/28/11-8/27/12
Engineer/Scientist I	\$41.58	\$43.14	\$44.76	\$46.44	\$48.18
Engineer/Scientist II	\$57.42	\$59.57	\$61.81	\$64.13	\$66.53
Staff Engineer/Scientist I	\$71.44	\$74.12	\$76.90	\$79.78	\$82.77
Staff Engineer/Scientist II	\$86.13	\$89.36	\$92.71	\$96.19	\$99.79
Senior Administrative	\$53.34	\$55.34	\$57.42	\$59.57	\$61.80
Senior Engineer/Scientist I	\$106.69	\$110.69	\$114.84	\$119.15	\$123.62
Senior Engineer/Scientist II	\$114.67	\$118.97	\$123.43	\$128.06	\$132.86
Lead Engineer/Scientist I	\$123.83	\$128.47	\$133.29	\$138.29	\$143.47
Lead Engineer/Scientist II	\$152.21	\$157.92	\$163.84	\$169.99	\$176.36
Principal Engineer/Scientist I	\$166.70	\$172.95	\$179.43	\$186.16	\$193.14
Principal Engineer/Scientist II	\$198.00	\$205.43	\$213.13	\$221.12	\$229.41

The pricing shown above is based on an "Other Than Commercial Basis." BPC Group acknowledges that escalation under any resultant contract shall be governed by Clause I-FSS-969, "Economic Price Adjustment - FSS Multiple Award Schedule (JAN 2002)," paragraph (b)(1); adjustments based on escalation rates negotiated prior to contract award, using an annual escalation rate of 3.75% for Years 2-20.

Equipment Rates applicable to SInS 899-1 & 1RC; 899-2 & 2RC; 899-4 & 4RC; 899-7 & 7RC; 899-8 & 8RC. Pricing is Based on an Other Than Commercial Basis. All prices shown are inclusive of the 0.75% Industrial Funding Fee (IFF).

Equipment/ODC Category	Base Period				
	8/28/07-8/27/08	8/28/08-8/27/09	8/28/09-8/27/10	8/28/10-8/27/11	8/28/11-8/27/12
Water Level Indicator	\$14.85	\$15.41	\$15.98	\$16.58	\$17.21
Oil-Water Interface Indicator	\$39.60	\$41.09	\$42.63	\$44.22	\$45.88
Trolls (Transducer + Logger)	\$138.60	\$143.80	\$149.19	\$154.78	\$160.59
Purge Pump	\$14.85	\$15.41	\$15.98	\$16.58	\$17.21
Sampling Pump	\$84.15	\$87.31	\$90.58	\$93.98	\$97.50
Submersible Pump (2") Stainless Steel/Teflon	\$173.25	\$179.75	\$186.49	\$193.48	\$200.74
Submersible Pump Controller	\$89.10	\$92.44	\$95.91	\$99.50	\$103.24
Generator	\$54.45	\$56.49	\$58.61	\$60.81	\$63.09
Portable Weather Station	\$74.25	\$77.03	\$79.92	\$82.92	\$86.03
Water Quality Meter (pH/Temp/Cond) YSI	\$59.40	\$61.63	\$63.94	\$66.34	\$68.82
Field Supplies (Consumables)	\$9.90	\$10.27	\$10.66	\$11.06	\$11.47
Health & Safety PPE (Consumables)	\$14.85	\$15.41	\$15.98	\$16.58	\$17.21
Automated Water Quality Sampler	\$103.95	\$107.85	\$111.89	\$116.09	\$120.44
Explosive Meter	\$34.65	\$35.95	\$37.30	\$38.70	\$40.15
PID/FID (Non-GC)	\$108.90	\$112.98	\$117.22	\$121.62	\$126.18
PID/FID (GC)	\$183.15	\$190.02	\$197.14	\$204.54	\$212.21

The pricing shown above is based on an "Other Than Commercial Basis." BPC Group acknowledges that escalation under any resultant contract shall be governed by Clause I-FSS-969, "Economic Price Adjustment - FSS Multiple Award Schedule (JAN 2002)," paragraph (b)(1); adjustments based on escalation rates negotiated prior to contract award, using an annual escalation rate of 3.75% for Years 2-20.

Labor Category Descriptions

Principal Engineer/Scientist I & II (Program Manager). Serves as primary point of contact for the contract owner. Demonstrates experience in such areas as: monitoring quality control, assigning personnel consistent with contract requirements, understanding and ensuring compliance with CERCLA, RCRA, TSCA, SWDA, CWA, and CAA regulations and their state counterparts, and other applicable or relevant and appropriate requirements, and performing as the Contractor's chief representative. Possesses a graduate management or technical degree and a minimum of fifteen (15) years of experience in all critical aspects of the contract. Possesses at least ten (10) years of experience in managing or overseeing large task order contracts involving multiple concurrent projects at multiple locations and holds and maintains professional licenses and registrations relative to the contract.

Lead Engineer/Scientist I & II (Project Manager). Serves as a point of contact on task orders. Demonstrates experience in such areas as: ensuring effective execution of projects, controlling project schedule and budget, recommending changes to improve project efficiency and effectiveness, justifying change orders, tracking materials and resources, coordinating subcontractors' work, complying with normal health and safety procedures, ensuring compliance with regulatory requirements, following/ implementing approved project work plans or specifications, and producing quality technical reports supporting the contract with respect to the appropriate regulatory authority. The qualified individual shall have an undergraduate degree in engineering or physical sciences, or be a graduate of a construction management program. A minimum of twelve (12) years of experience with eight (8) years of in-field project management experience and appropriate professional licensing and registration is required.

Senior Engineer/Scientist I & II. Serves as a technical resource for expertise on specialty disciplines relevant to the contract. Demonstrates experience in such areas as: evaluation of planning and management alternatives, remedial alternative analysis, groundwater and surface water modeling, contaminant fate and transport analysis, risk assessment, permitting, waste management practices, and performing quality assurance and quality control of the technical analysis and products. Experience in the design and implementation of environmental systems and cost estimates is required. The qualified individuals shall have an undergraduate degree in engineering, construction management, or physical science directly related to the project disciplines. Possesses a minimum of eight (8) years of progressive experience in responsibility demonstrating technical independence and team work performance. Appropriate professional licensing and registration is required.

Senior Administrative. Manages the administrative responsibilities of the office to include supervising administrative staff in performing clerical, administrative, and secretarial duties. Serves as local office point of contact relative to corporate human resources and policies and procedures for employees. Prepares administrative reports as assigned. Experienced in project administration, documentation, and secretarial support functions to include pre- and post-job submittals, contract deliverables, reports, proposals, and presentations. Maintains schedules and calendars and arranges travel plans for management staff in support of projects and programs. Accounting background to include job costing on both fixed price and cost reimbursable projects. Provides project and company financial statements to senior staff and owners.

Staff Engineer/Scientist I & II. Serves as a mid-level technical and field resource person assisting project managers and senior engineers. Demonstrates experience in such areas as: ability to work well in team environment, preparation of permit applications, thorough knowledge of fundamental principles and their application to engineering or relevant disciplines, GIS and spatial analysis, construction inspection, site plan preparation, development of specifications, field investigations, soil and water sampling, field supervision of subcontractors, modeling and network analysis. Qualified individuals shall have an undergraduate degree in engineering, construction management, or physical science directly related to the project disciplines. Possesses a minimum of four (4) years of progressive

experience in responsibility demonstrating technical excellence and team work performance. Appropriate professional licensing and registration is required.

Engineer/Scientist I & II. Serves as entry-level technical and field resource person assisting other engineers working on a project. Demonstrates experience in such areas as: ability to work well in team environment, data collection, field investigation activities, adherence to health and safety and company procedures and policies, general knowledge of fundamental principles and their application to engineering or relevant disciplines, GIS, construction inspection, site plan preparation, soil and water sampling, field supervision of subcontractors, modeling and data analysis. Qualified individuals shall have an undergraduate degree in engineering, construction management, or physical science directly related to the project disciplines. No minimum experience or professional license is required for this position.

Customer Information

1a. Awarded Special Item Numbers (SINs)

899-1 & 1RC: Environmental Planning Services & Documentation

899-2 & 2RC: Environmental Compliance Services

899-4 & 4RC: Waste Management Services

899-7 & 7RC: Geographic Information Services (GIS)

899-8 & 8RC: Remediation Services

1b. Pricing

See "Pricing" section of catalog.

1c. Labor Category Descriptions

Provided at end "Pricing" section of catalog.

2. Maximum Order

There is *no limit* on the size of any individual Task Order or on the contract as a whole. GSA contractors are not obligated to accept Task Orders that exceed a \$5,000,000 threshold.

3. Minimum Order

\$100.00

4. Geographic Coverage (delivery area)

Domestic only.

5. Point(s) of Production

Same as company address.

6. Discount from List Prices of Statement of Net Price

Government net prices (discounts already deducted).

7. Quantity Discounts

None offered.

8. Prompt Payment Terms

Net 30 days.

9a. Notification whether Government purchase cards are accepted at or below the micro-purchase threshold

Yes.

9b. Notification whether Government purchase cards are accepted or not accepted above the micro-purchase threshold

Yes; will accept over \$2,500.

10. Foreign Items

None.

11a. Time of Delivery

Specified in the Task Order.

11b. Expedited Delivery

Contact contractor.

11c. Overnight and 2-day Delivery

Contact contractor.

11d. Urgent Requirements

Contact contractor.

12. F.O.B. Points(s)

Destination.

13a. Ordering address

Same as company address.

13b. Ordering Procedures

For supplies and services, the ordering procedures, information on blanket purchase agreements (BPAs), and a sample BPA can be found at the GSA/FSS schedule homepage (<http://fss.gsa.gov/schedules>).

14. Payment Address

Ordering agencies that want to use Electronic Funds Transfer (EFT) payment can contact Mr. Panigrahi for routing instructions. The address for mailed remittances is the same as the company address.

15. Warranty Provision

Contractor's standard commercial warranty.

16. Export Packaging Charges

Not applicable.

17. Terms and conditions of Government commercial credit card acceptance (any thresholds above the micro-purchase level)

Contact contractor.

18. Terms and Conditions of Rental, Maintenance, and Repair

Not applicable.

19. Terms and Conditions of Installation

Not applicable.

20. Terms and Conditions of Repair Parts

Not applicable.

20a. Terms and Conditions of Any Other Services

Not applicable.

21. List of Service and Distribution Points

Not applicable.

22. List of Participating Dealers

Not applicable.

23. Preventive Maintenance

Not applicable.

24a. Special Attributes Such as Environmental Attributes

Not applicable.

24b. Section 508

Not applicable.

25. Data Universal Numbering System (DUNS) Number

92-784-6691

26. Notification regarding registration in Central Contract Registration (CCR) Database

Registered.

Contact Us

We would be pleased to hear from you to discuss our GSA contract or any aspect of our services. Please contact Bijay Panigrahi, President.



Telephone: (407) 851-5020

FAX: (407) 857-3154

E-Mail: spanigrahi@bpcgi.com

Web: www.bpcgi.com

Mail: 6925 Lake Ellenor Dr., Suite 112
Orlando, FL 32809