



# Royal Consulting Services, Inc.

*Bringing Innovative Solutions to Engineering Challenges*

Licensed Professional Engineers • Certified General Contractors • Certified NRCS Technical Service Provider

## Environmental Engineering

- **Monitoring & Compliance**
- **Regulatory Permitting**
- **Saltwater Intrusion Management**
- **Pollutant Transport Modeling**
- **Chemical & Physical Treatment Systems**
- **Pump & Injection Control Systems**
- **Wetland Creation & Restoration**
- **Hydrologic Modeling**
- **Effluent Disposal, Reuse, & Storage Systems**
- **Integrated Surface Water & Groundwater Modeling**
- **Surface Water & Groundwater Remediation**

### *The Benefits of Working with RCS*

Experience in every stage of environmental projects including conceptualization, design, permitting, construction, monitoring, and reporting

• Experience in providing engineering services in environmentally sensitive areas around the world

• Specialized in complex, multi-discipline projects throughout a variety of industries

• Ability to apply science and technology to address issues of environmental sustainability while promoting profitable business practices

### Our Goal

By modeling environmental systems and applying scientific and engineering principles, prevent or solve environmental problems, ensuring the sustainability of water, land, and air resources.



#### Longwood

211 West Warren Avenue  
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Florida COA No. 7290



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## Environmental Services

- Soil, Water, and Tissue Sampling
- Erosion and Sediment Control
- Data Collection and Record Keeping
- Environmental Mapping in GIS
- Indoor Air Quality (Mold) Inspection and Assessment
- Compliance Reporting
- Monitoring and Compliance Plans
- Vulnerability Assessments & Climate Resiliency
- Floodplain Mapping
- Health and Safety Plan Development
- Site and Field Reconnaissance

### *The Benefits of Working with RCS*

Extensive backgrounds in environmental services with experience in evaluating, planning, and implementing successful procedures

A clear understanding of current and future regulatory and environmental issues that impact project design and operation

Sound management methods, technical expertise, and regulatory awareness necessary to provide clients with superior services to evaluate hazards, advise on treatment and containment, and develop safe operational protocols

### Our Goal

To protect human health and natural resources by managing chemical, physical, and environmental concerns and developing systems to assist the industry's regulatory needs, while maximizing resource potential.



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## Water Resources Engineering

- Irrigation System Evaluation & Design
- Water Supply Planning & Permitting
- Water Quality Modeling
- Water Quality Projects
- Saltwater Modeling
- Watershed Scale Modeling
- Integrated Surface Water & Groundwater Modeling
- Wetland Treatment & Restoration
- Drainage Design & Water Control Structures
- Hydrologic & Hydraulic Modeling
- Wastewater Effluent Disposal & Reuse
- Watershed Management
- Stormwater Management, Design, & Permitting

### *The Benefits of Working with RCS*

Extensive operational knowledge of the hydrology and hydrogeology of Florida

Working relationships with Water Management Districts, the FDEP, and the NRCS

Proficiency in a wide variety of industry-standard modeling software

Experience in every stage of water resource projects, including conceptualization, design, permitting, construction, monitoring, and reporting

### Our Goal

To provide the knowledge, tools, and experience needed to help public and private clients reach water resource solutions that help improve infrastructure and the environment, while meeting regulatory requirements.



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## Agricultural Engineering

- Farm Design and Layout
- Best Management Practices
- Stormwater Management Systems
- Animal Waste Management Systems
- Nutrient Removal Treatment Systems
- Conservation Plans
- Irrigation System Design
- Water Management Plans
- Permitting, Record Keeping, and Reporting

### *The Benefits of Working with RCS*

Experience in every stage of environmental projects including conceptualization, design, permitting, construction, monitoring, and reporting

A clear understanding of the current and future regulatory and environmental issues that face agricultural operations

Working relationships with Water Management Districts, FDEP, NRCS, and FDACS

Extensive experience with multiple types of agricultural operations throughout the state of Florida

### Our Goal

To utilize innovative technologies and agricultural processes to successfully design projects that meet the needs and goals of the land owner, while conserving or improving important natural resources.



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## Construction Services

- Realistic Project Scheduling
- Accurate Cost Estimating
- Value Engineering
- Project Permitting and Compliance
- Dewatering Permits and Compliance
- Subcontractor and Vendor Management
- Operation and Maintenance Plans
- Health, Safety, and Environment Plans
- Project Reporting

### *The Benefits of Working with RCS*

A licensed and bonded engineering and construction management firm

Specialized in complex, multi-disciplinary projects throughout a variety of industries

Knowledge and experience from both Florida Professional Engineers and Certified General Contractors

### Our Goal

Utilizing our experience and comprehensive services of planning, management, and project control to forecast trajectory, reduce risk, minimize need for change, and maintain critical project paths



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## Equine Solutions

- **Best Management Practices**
- **Water Use Permitting**
- **Indoor Arena Modernization & Renovation**
- **Nutrient Management Plans**
- **Permitting & Engineering Support**
- **Pasture Management**
- **Facility Design**
- **High Use Area Stabilization**
- **Solid Waste Management**
- **Irrigation Design & Water Management Plans**

### *The Benefits of Working with RCS*

A clear understanding of current and future regulatory and environmental issues

Working relationships with Water Management Districts, FDEP, NRCS, and FDACS

Experience in every stage of agricultural projects including conceptualization, design, permitting, construction, monitoring, and reporting

### Our Goal

To develop effective management practices to improve equine communities, ensure animal welfare, and help protect natural resources.



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# Royal Consulting Services, Inc.

*Bringing Innovative Solutions to Engineering Challenges*

Licensed Professional Engineers • Licensed Mold Assessors • Licensed Mold Remediators

## Mold Solution Services

- Mold Assessments
- Visual Inspections
- Verified Lab Testing
- Remediation Site Supervision
- Post Remediation Verification
- Coordination of Mold Remediation
- Recommendations for Contamination Control
- Moisture Removal Recommendations
- Complete Indoor Air Quality Assessment
- Recommendations for Air Filtration
- Moisture Mapping & Management
- Property Restoration Coordination
- Source Removal Oversight

### *The Benefits of Working with RCS*

Licensed in Mold Assessment and Mold Remediation as well as being fully bonded and insured

• Professionals trained and certified by the National Organization of Remediators and Mold Inspectors

• Longstanding professional relationships with various certified mold remediators to help determine the right remediator for the job

### Our Goal

Provide thorough assessments utilizing scientific testing to evaluate possible mold sources, determine appropriate corrective measures, eliminate contamination, and restore property and air quality.



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## Permitting Services

- **Environmental Resource Permits**
- **Water Use Permits**
- **NPDES Construction & MS4 Permits**
- **Stormwater Pollution Prevention Plans**
- **Wetland Permits**
- **Local Building Permits**
- **Industrial Waste Permits**
- **Dewatering Permits**
- **Department of Transportation Connection Permits**

### *The Benefits of Working with RCS*

A clear understanding of current rules and regulations affecting permitting

•  
Extensive knowledge of Florida's hydrology, hydrogeology, and environment

•  
An established permitting procedure that has not only proven successful, but expedites the permitting process and minimizes the need for Requests for Additional Information

•  
A productive relationship with multiple permitting agencies

### Our Goal

To streamline and expedite the permitting process while facilitating the prompt issuance of permits by regulatory agencies.



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## Solar Energy

- Solar Siting & Assessment
- Solar Hot Water Systems
- Design, Installation, Permitting, & Engineering Support
- Commercial & Residential Systems
- Photovoltaic Systems
- System Certifications
- Conceptual Financial Analysis & Funding
- Web-Based Monitoring Technology
- Performance Evaluation & Repairs
- Net Metered, Hybrid Grid-Tied, & Off-Grid Systems

### *The Benefits of Working with RCS*

Experience in every stage of projects including conceptualization, design, permitting, construction, monitoring, reporting, and maintenance

• A clear understanding of the current and future regulations and opportunities that impact solar customers and users

• Strategic partnerships with multi-national solar manufacturers and installation specialists.

### Our Goal

Making solar energy systems a realistic method of cost-effective energy production while decreasing energy dependence and eliminating harmful impacts to the environment.



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