PROFESSIONAL PROFILE



CONTACT INFORMATION
Main: (856) 423-8800
Direct: (856) 832-3780
Email: jfusco@rouxinc.com
Website: www.rouxinc.com

270 Davidson Ave, Suite 304
Somerset, NJ 08873

EDUCATION
BS, Environmental Studies (Double-minor Biology and Economics), The George Washington University, 2000

Jacqueline Fusco

Technical Director

EXPERIENCE SUMMARY

Ms. Fusco has over twenty-five years of professional experience in the environmental consulting industry, focusing her services on regulatory compliance and natural resource identification. She has consistently demonstrated her knowledge and understanding of environmental regulations by seamlessly guiding clients through complex regulatory processes. Her experience includes directing multimedia licensing and permitting efforts for a wide range of clients, including residential and commercial developers, municipal, state, and federal agencies, and petroleum manufacturers and retailers, with a focus on permitting support for development projects for public and private entities. Throughout her years of permitting experience, she has developed strong relationships with regulators and industry leaders and has demonstrated strong commitment to navigating and understanding environmental regulations. Through her efforts, she has been given the opportunity to work in a variety of states to provide clients with permitting services, including NJ, NY, CT, PA, MD, VA, OH, IL, IN, MI, TX and PR.

TECHNICAL SPECIALTIES

Ms. Fusco's technical qualifications include environmental and land use regulatory compliance support and permitting, wetland delineation and field investigation, rare, threatened, and endangered species habitat reviews, wetland mitigation design and coordination, remedial and mitigation oversight, due diligence, feasibility, and critical issues analyses, and cost estimation services.

REPRESENTATIVE PROJECTS

Industrial Projects

- **Project Manager, Confidential Warehouse Developer, Erie, Pennsylvania.** Ms. Fusco provided wetland permitting services for the development of an approximately 200-acre agricultural site into an industrial warehouse development. Her initial efforts included conducting the wetland field delineation and habitat characterization on-site. She also managed the permitting phase for the project, coordinating with US Army Corps of Engineers and Pennsylvania Department of Environmental Protection reviewers to obtain a Freshwater Wetland Individual Permit to authorize wetland impacts on-site from the future development, coordinated with the engineering design team to complete the National Pollutant Discharge Elimination System permit to support the stormwater management design, and assisted the developer in obtaining wetland mitigation credits from a mitigation bank to satisfy compensation conditions set forth in the wetland permit. All federal and state permits and approvals were issued for the project in October 2023.

- **Permitting Specialist, Confidential Industrial Client, Bayonne, New Jersey.** Ms. Fusco supported the owners of an industrial facility in planning future warehouse development at their site. These services included a wetland field delineation, resource identification and mapping, and characterization of the shoreline. She reviewed each potential redevelopment strategy and provided process knowledge and guidance for future permitting efforts and associated design limitations. Recently, she has continued her efforts in supporting the permitting for additional remedial investigations on-site.

- **Project Manager, Confidential Industrial Client, Perth Amboy, New Jersey.** Ms. Fusco managed the permitting effort to authorize improvements to an existing wharf structure. Permits required an In-Water Waterfront Development Individual Permit to authorize regulated activities located waterward of the mean high water line.

Ms. Fusco was able to streamline to approval process through coordination with New Jersey Department of Environmental Protection (NJDEP) reviewers.

- **Project Manager, Confidential Industrial Client, San Juan, Puerto Rico.** Ms. Fusco managed the land use permitting efforts to authorize the proposed dredging and wharf improvements at an existing liquified natural gas (LNG) facility located in San Juan Harbor in San Juan, Puerto Rico. The purpose of the proposed wharf improvements was to provide structural stability to the existing wharf structure in response to the deepening of the Federal navigation channel by the US Army Corps of Engineers, and to support the deliveries on LNG from larger ships able to access the deepened harbor. Ms. Fusco prepared the joint permit application for the US Army Corps of Engineers and Puerto Rico Department of Natural Resources addressing potential impacts to in-water resources within the harbor and continued industrial use of the modified shoreline.
- **Permitting Lead/Ecologist, Confidential Industrial Client, Cumberland County, New Jersey.** Ms. Fusco provided the lead for permitting and wetland field delineation activities in support of the required NJDEP Land Use Regulation Program permitting, to install groundwater monitoring wells as part of the exit strategy for this Superfund Site, currently undergoing site investigation/remediation. The field activities consisted of delineation of the regulatory boundaries of wetlands and waters and habitat inventory for the entire reach of the Hudson Branch, a tributary to Burnt Run and the Maurice River. Ms. Fusco also led the field team that conducted the survey to document areas dominated by a monoculture of the invasive species Common Reed (*Phragmites australis*).

Residential/Mixed-Use Projects

- **Permitting Manager, Confidential Residential Developer, Paterson, New Jersey.** Ms. Fusco prepared the permit applications and conducted coordination with the NJDEP review team for a mixed-use redevelopment project that involved the redevelopment of historic 19th century textile mills into residential and commercial use buildings along the Passaic River waterfront. The project also involved community art facilities and a riverfront walkway which was meant to provide the community with a continuous walkway along the Passaic River and provide public enjoyment of the river and Great Falls in Paterson's historic district. The project planned to maintain the historic significance of the textile mills while allowing the buildings to be utilized and revitalize the area.
- **Permitting Manager, Confidential Residential Developer, Wayne, New Jersey.** Ms. Fusco managed the permitting effort for the redevelopment of a former industrial facility into a residential complex consisting of over 400 housing units, including affordable units to allow the municipality to meet the Mount Laurel requirements. The site contained several wetlands and streams that drained less than 50 acres and therefore did not maintain flood hazard areas but required impacts within the regulated riparian zone. As such, minimizing impacts through site design was critical to ensure the project would comply with Freshwater Wetland General Permit conditions and avoid riparian zone mitigation. Ms. Fusco worked with the engineering design team to ensure the design would meet the needs of the client while avoiding lengthy permitting reviews.

Offshore Wind Projects

- **Project Manager, Confidential Offshore Wind Developer, Atlantic County, New Jersey.** Ms. Fusco provided management and oversight to the linear onshore cable transmission design team in their efforts to compile design drawings to support the project land use permit applications. Her efforts included resource review along the planned cable routes to identify project impacts. She also participated in meetings with local stakeholders to obtain authorization to submit for approvals within public property, and she worked with community representatives to identify community benefits projects to support affected communities.
- **Project Manager, Confidential Offshore Wind Developer, Management Support, Ocean and Cape May Counties, New Jersey.** Ms. Fusco supported a potential offshore development partner in the planning of the Joint Venture project with the offshore wind developer. Initially, she supported the project team in compiling the Permitting and Licensing analysis for the Due Diligence Report for review by the Board of Directors to make the partnership decision. The Due Diligence Report prepared documented the regulatory framework for all phases of the project, presenting the anticipated regulatory schedule and with a focus on the incurred risks due to the unknowns of the new offshore wind permitting processes. Her most recent efforts involve supporting the management team in planning the onshore cable routing and substations and associated permitting effort on an on-call basis. This includes permitting services for the subsurface investigations required to support onshore cable construction.
- **Regulatory Permitting Specialist, Confidential Client, Offshore Wind Port.** Ms. Fusco supported a confidential client in their efforts to permit the proposed Port to support offshore wind turbine construction and material delivery. As part of this effort, Ms. Fusco helped compile applications to the U.S. Army Corps of Engineers, New Jersey Department of Environmental Protection (NJDEP), Delaware Department of Natural Resources and Environmental Control, and the Delaware River Basin Commission to obtain authorization for the approximately 87 acres of dredging within the Delaware River to support Port

operation and 30 acres of land disturbance for the onshore facilities. Impacts include in-water, coastal/tidal wetland, floodplain, and riparian zone impacts, for which an alternatives analysis was prepared.

- **Regulatory Compliance Specialist, Confidential Client, Operations & Maintenance Facility, Atlantic City, New Jersey.** Ms. Fusco managed the licensing and permitting effort for the development of an operations and maintenance facility to support offshore wind projects off the coast of New Jersey. This effort initially involved the conduct of a feasibility study to identify the permitting requirements and assess the risks for all levels of regulatory jurisdiction, from Federal to local levels. Her following efforts involved the preparation of permit applications and coordination with the regulatory agencies to support future construction.
- **Regulatory Compliance Specialist, Confidential Client, Operations & Maintenance Facility, Maryland.** Ms. Fusco managed the permitting and licensing effort for the development of an operations and maintenance facility for a confidential offshore wind developer. To date, she conducted the feasibility study to assess the development potential for the selected site. As part of the Feasibility Study, she reviewed the requirements for Federal, State, and local permitting and identified the applicable permits and associated permitting schedule to support the construction of this coastal facility. Since the study was completed, additional properties were being considered by the client, and Ms. Fusco continued to support the client in identifying the permitting strategy for potential development options.

Solar Projects

- **Permitting Lead, Confidential Solar Developers, Solar Site Selection Support and Permitting Service, Various States.** Ms. Fusco provided site selection and permitting support services for several private solar power generators for community solar projects throughout the Midwest. These services included preliminary site assessments, which documented potential resources onsite and summarized the applicable regulatory requirements and associated risk. She also managed the field efforts for onsite resource characterization and delineation.
- **Regulatory Compliance Specialist, Confidential Solar Developer, Suffolk County, New York.** Ms. Fusco served as the regulatory compliance and permitting lead for the proposed development of seven solar power generating facilities as part of a solar development project, which proposed installation and operation of solar photovoltaic (PV) equipment on existing building rooftops and/or newly installed carports within existing parking lot areas at various, commercial, industrial, and institutional sites throughout Suffolk County. The proposed solar PV equipment would be capable of producing up to 20 megawatts (MW) of solar energy for the Long Island Power Authority (LIPA) service area to help meet Long Island's long-term energy needs and LIPA and New York State's renewable energy goals. To start, she conducted a review of available mapping for the sites and eventually performed a wetland delineation to determine the jurisdictional boundary of New York State Department of Environmental Conservation-(NYSDEC) regulated freshwater wetlands and waters on two of the proposed sites. She prepared an application for a Wild, Scenic, and Recreational River (WSRR) Permit to be submitted to NYSDEC for authorization to construct the proposed solar generating facilities within close proximity to the Peconic River, which is currently designated as a community river in the WSRR system. This application focused on the project's minimization of impacts to natural resources, water quality, and scenic resources along the river corridor. In addition, Ms. Fusco also compiled the draft NYSDEC Freshwater Wetland Permit application to seek authorization for impacts to the regulated Adjacent Area as part of the proposed solar development. Throughout the conceptual design phase of the project Ms. Fusco assisted the client in coordinating with the appropriate regulators to provide for a seamless regulatory review process.

Power Generation Projects

- **Permitting Lead, Confidential Power Generation Client, City of Bridgeport, Fairfield County, Connecticut.** Ms. Fusco is currently serving as the Deputy Project Manager for multi-media permitting and environmental compliance services for the planning and construction of a new combined-cycle plant at an existing electric generating facility. The proposed combined-cycle facility will help meet the region's growing demand for electricity. The Facility will consist of a 485 MW dual fuel, single train combined-cycle power plant. As part of her work efforts, Ms. Fusco is coordinating with regulatory agencies from the Federal to the City level to identify the regulatory requirements to support project construction and operation, as well as taking the lead on compiling the applicable permit application submissions, including the City of Bridgeport Coastal Site Plan application, General Permit and Certificate of Permission applications to Connecticut Department of Energy and Environmental Protection for coastal improvements and stormwater and industrial discharges, and US Army Corps of Engineers to seek authorization for shoreline improvements to support heavy haul barging activities. Through coordination with the client and the Project Engineers, Ms. Fusco is supporting the project design phase to ensure the design meets applicable environmental and local regulations as well as providing environmental compliance oversight to ensure construction is conducted in accordance with permit conditions identified in the permits issued for the project.

- **Permitting Lead, Confidential Power Generation Client, Hamilton Township, Mercer County, New Jersey.** Ms. Fusco provided the lead in the environmental/land use permitting effort to support the construction of a stormwater conveyance system around the existing coal pile at an existing power generating station. Because the facility is adjacent to the Delaware River, the Project required preparation and submission of an Upland Waterfront Development Permit, Flood Hazard Area (FHA) Individual Permit and FHA Verification, which were completed and submitted by Ms. Fusco. Ms. Fusco also led the coordination with the New Jersey Department of Environmental Protection (NJDEP) Division of Land Use Regulation (DLUR), now Division of Land Resource Protection (DLRP), to obtain concurrence that the project, although a "major development," did not require water quality review by the NJDEP DLUR reviewing engineers, which would have required detailed stormwater calculations and delayed the permit issuance.
- **Permitting Lead, Confidential Power Generation Client, Jersey City, Hudson County, New Jersey.** Ms. Fusco provided the lead in the environmental/land use permitting effort to support the planned improvements to an existing generating station in Jersey City, Hudson County, New Jersey. As part of the Project, she managed the land use and construction permitting effort for the relocation of two (2) existing underground pipelines and demolition of the Screen House which was formerly used to supply a decommissioned generating unit with process water from the Hackensack River. To support the second phase of the Project, she assisted the client in obtaining the land use and construction permits for the reconstruction of the existing dock. Because the Project site is located within the Hackensack Meadowlands District, regulated activities fall under the jurisdiction of the New Jersey Sports and Exposition Authority (NJSEA). As such, the Project required a Zoning Certificate and review by NJSEA, as well as Flood Hazard Individual Permits and an In-Water Waterfront Development Permit from the NJDEP DLUR (now DLRP). In addition, Ms. Fusco worked with the U.S. Army Corps of Engineers and National Oceanic and Atmospheric Administration, National Marine Fisheries Service in support of the Section 10/404 Permit authorization for the dock rebuild activities within the Hackensack River, which included dock reconstruction and shoreline restoration activities. The Project was fully constructed in Spring/Summer 2015.
- **Permitting Lead, Confidential Power Generation Client, Township of Woodbridge, Middlesex County, New Jersey.** To support this client in the construction of a new administration building at an existing generating station in the Township of Woodbridge, Middlesex County, New Jersey, Ms. Fusco served as the lead for the environmental/land use permitting effort. This included the preparation and submission of an Upland Waterfront Development Individual Permit to the New Jersey Department of Environmental Protection, Division of Land Use Regulation. In addition, Ms. Fusco supported the efforts to obtain the Municipal Site Plan approval from the Township of Woodbridge.
- **Permitting Lead, Confidential Power Generation Client, City of Bridgeport, Fairfield County, Connecticut.** To support this power generation client in the construction of the required Dry Sorbent Injection (DSI) System at an existing generating station, Ms. Fusco prepared the Coastal Site Plan Application for submission to the City of Bridgeport. This effort also included natural/ecological resource mapping which was presented in both the application and during the City of Bridgeport Planning board meeting.

Linear Projects

- **Environmental Scientist/Permitting Specialist, Confidential Utility Client, Hudson and Union Counties, New Jersey and Kings County, New York.** Ms. Fusco, as part of a multidisciplinary project team, was responsible for the conducting environmental field surveys and resource assessments for areas along the planned pipeline route to support permitting prior to construction and then during construction to ensure activities remained in compliance with Federal Section 10/404 permits issued by the U.S. Army Corps of Engineers.
- **Ecologist/Permitting Specialist, Confidential Utility Client, Mahwah, New Jersey.** Ms. Fusco assisted in the field studies to evaluate the presence/absence of threatened species within the forested upland habitat located near the existing pipeline substation. The objective was to locate any indicators of Barred owls (*Strix varia*) and Red shouldered hawks (Buteo lineatus). The project was in accordance with State and Federal regulations of indicators of the select species of raptors.
- **Ecologist/Permitting Specialist, Confidential Utility Client, Wayne County, New York.** Ms. Fusco provided permitting and ecological surveying services for a public utility company in support of the construction of a new 10.4-mile transmission line and the rebuilding of 10.4 miles of existing transmission line, which consisted of the rebuilding of 3.2-mile section of existing transmission line. Both Projects occur in Wayne County, New York. She conducted the field delineations of the regulatory boundaries of wetlands and waters under Federal jurisdiction along sections of these existing transmission lines in accordance with the Federal Manual and the Northcentral and Northeast Regional Supplement. Ms. Fusco also assisted in the preparation of the NYSDEC and USACE permit applications required for the project.

- **Licensing Manager, Confidential Utility Client, Steuben County, New York, New York.** Ms. Fusco supported regulatory compliance services for a project to increase electric power reliability in the client's electrical service territory in Steuben County, New York and consisted of the development of a new 230-115 kV, substation in the Town of Campbell; the development of a new 115-12.5 kV substation (i.e., the "Sullivan Park Substation") in the Town of Erwin; as well as the development of a new 9.6 mile, 115 kV line from the new Stoney Ridge Substation to the existing West Erie Substation, located in the Town of Erwin. Ms. Fusco assisted in the coordination and correspondence with NYSDEC and USACE regulators in an effort to finalize freshwater wetland approvals for the project. She also compiled and submitted an application for a Subdivision Approval to the Town of Campbell Planning Board for the land subdivision required for the development of a new substation required for the utility improvements.
- **Ecologist/Permitting Specialist, Confidential Utility Client, Orange and Rockland Counties, New York.** Ms. Fusco assisted with consulting services for the on-going Orange and Rockland Utilities, Inc. (ORU) Transmission Line 31 Transmission Project, which proposed the reconductoring and reconstruction of existing transmission line structures along an existing three-mile transmission line located in the Town of Ramapo and the Villages of Hillburn and Sloatsburg in Rockland County, New York. Ms. Fusco compiled and submitted an application for an Article 11 Permit to address the potential for incidental "takes" of timber rattlesnakes.
- **Wetlands Specialist/Land Use Permitting Coordinator, Confidential Client, Linden, New Jersey.** Ms. Fusco served as the project lead for the freshwater wetland regulatory compliance services for a 1,300-acre refinery property in Linden, New Jersey. To remain in compliance with NJDEP land use regulations while undertaking the on-going ISRA-related activities at the facility, Ms. Fusco prepared and submitted an application for a Letter of Interpretation (LOI) reissuance (in 2010) and an LOI (2016) to request the NJDEP's confirmation of the jurisdictional boundary of wetlands and waters on the refinery property. She conducted a wetland site inspection to record observations regarding existing site conditions, focusing on the presence/absence of wetland indicators, such as hydrology and vegetation. She also conducted an investigation of applicable land use authorizations and available regulatory mapping to identify changes in land use since the issuance of the original LOI issued for the site.
- **Ecologist/Permitting Specialist, Confidential Utility Client, Chenango County Transmission Project, Chenango County, New York, New York.** Ms. Fusco led the wetland delineation field effort for the development of a new, approximately 10.7-mile, overhead 46 kV line through the Towns of Sherburne and Columbus to a newly constructed 46-12.5kV Columbus Substation. A total of 3.95 miles of this proposed transmission line is located on the new right-of-way. She conducted preliminary reviews of the routing alternatives using available New York State agency mapping/information to identify protected resources for additional review in the field and conducted wetland delineations in accordance with the USACE Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (October 2009). Regulatory approvals required by the project include USACE wetland permits, completion and acceptance of environmental impact documentation pursuant to the New York State Environmental Quality Review Act, and NYSDEC Construction SWPPP Approval. Applications were submitted in Winter 2012 with a planned Summer 2012 construction date. In addition to acquisition of required environmental permits, she assisted in the route selection process and conducted an alternative route evaluation that was used to support the project's SEQRA review.
- **Ecologist/Permitting Specialist, Confidential Utility Client, Wayne and Lackawanna Counties, Pennsylvania.** Ms. Fusco served as the lead on environmental permitting for a transmission line rebuild project. This Project involved ecological studies, including the delineation of wetlands and suitable habitat for various plant species of special concern and protected wildlife species identified by the trustee agencies. She is also coordinating closely with the Project Team and Project engineers to provide an integrated approach to minimizing impacts to protected resources and in turn minimize permitting efforts and approvals required for the planned rebuild. Anticipated permits/approvals for the Project include Federal and State Individual Wetland Permit approvals, an Individual NPDES Permit, and associated erosion and sediment control approvals, and agency clearance for rare, threatened, and/or endangered species potentially located along the existing transmission line corridor.
- **Project Manager/Permitting Specialist, Confidential Utility Client, Lackawanna County, Pennsylvania.** Ms. Fusco managed the multi-media permitting efforts for the planned reconstruction of a 7.2-mile span of a 69 kV transmission line within Lackawanna County, Pennsylvania. As part of the services provided to the client, Ms. Fusco managed the wetland delineation field activities, as well as the field studies to assess the presence of potential Eastern small-footed bat (*Myotis leibi*) habitat, at that time, a State-threatened species. Ms. Fusco utilized these studies to support Chapter 102 and 105 permit application submissions, which she also prepared and submitted to the Lackawanna County Conservation District (LCCD) and Pennsylvania Department of Environmental Protection (PADEP), respectively.

- **Ecologist/Permitting Specialist, Confidential Utility Client, Bear Creek Township and Thornhurst Township, Pennsylvania.** Ms. Fusco served as the Project Manager for environmental permitting services for the reconstruction of approximately eight (8) miles of existing 12 kV electric distribution line within Bear Creek Township in Luzerne County and Thornhurst Township in Lackawanna County, Pennsylvania. The Project, which was constructed in two separate phases, was necessary to increase service reliability. Ms. Fusco conducted an evaluation of existing protected resources within the planned distribution corridor and ascertained the applicable environmental licensing requirements for the Project. As part of this evaluation, Ms. Fusco provided a desktop review of available online mapping resources and conducted field studies which included a wetland field delineation and preliminary field review of potential rare, threatened, or endangered (RTE) species within the distribution corridor. Through coordination between the engineering design team and environmental permitting team, construction sequencing and proper management practices were determined to avoid permanent impacts to protected resources resulting from the Project, therefore, reducing the permitting requirements set forth under Pennsylvania's Chapter 105 Water Obstruction and Encroachment Regulations. Based on the practices identified through these efforts, Ms. Fusco also obtained clearances from the US Fish and Wildlife Service and relevant Pennsylvania agencies relative to verifying that the Project would have no impact on RTE species.

PROFESSIONAL TRAININGS

OSHA 10-Hour Construction Safety & Health

OSHA 40-Hour HAZWOPER

OSHA 8-Hour Refresher

Field Investigation and Sampling Course

Hydric Soils

Loss Prevention System (LPS) Training

Management of Contaminated Soils

Methodology for Delineating Wetlands

NJDEP Coastal Development Regulatory Review

NJDEP Freshwater Wetlands Regulatory Review

Vegetation Identification for Wetland Delineation

PROFESSIONAL AFFILIATIONS

Society of Women Environmental Professionals (2000-2009)

National Association for Industrial and Office Parks (NAIOP) – New Jersey Chapter – Programs and Education Committee (2024)