



Aviation Americas – Environmental

Airports are complex facilities that are constantly evolving along with the natural and built environments in which they operate, including the communities that often surround them. Because airports are complex with many interrelated facets, providing environmental services requires a broad understanding of airport interactions within its own operations, the public/community, airport vendors, and regulators, as well as the nuances that shape environmental challenges. Jacobs Engineering Group Inc. (Jacobs) helps clients operate more efficiently to achieve cost savings, better manage risk, improve quality of life, and improve their social, economic, and environmental position. Jacobs Aviation Environmental Support extends from traditional engineering and construction projects to environmental stewardship and planning for the future. We combine deep knowledge of the aviation industry with global resources and knowledge gained from decades of supporting environmental site assessments, auditing, compliance, air quality and emissions, integrated waste solutions, and more recently climate change, sustainability and resiliency strategies and geospatial/environmental data management solutions.

Environmental Permitting and Planning

Our Environmental Planning team has completed hundreds of environmental assessment and permit application documents for aviation clients. We cover every discipline necessary for our clients, including air quality and emissions, biology, ecology, cultural resources, environmental justice, geology and geotechnical, hydrology, land use, FAR Part 150 Noise Exposure Analysis, socioeconomics, stakeholder engagement, traffic and transportation and visual resources specialties. Furthermore, Jacobs National Environmental Policy Act experience has been leveraged at airports around the United States. It ranges from simple environmental assessments to complex environmental impact statements. Additionally, Jacobs is able to support airports with wildlife hazard management training and plans.

Sustainability, Resiliency, and Environmental Stewardship

At Jacobs, we integrate sustainability into the fabric of our projects, working closely with our airport customers' specific sustainability management plans and goals for the future. We provide our aviation clients with comprehensive resiliency solutions to plan for, adapt, and recover from natural and constructed threats. Jacobs provides resilience assessments, emergency management and disaster response, resilient design, adaption planning, and program finance and delivery to aviation clients throughout the Americas. We help aviation clients manage a wide range of contaminants in all media of concern, from radionuclides and metals to various organic contaminants and emerging contaminants like per- and polyfluoroalkyl substances (PFAS) and help them manage complex issues such as vapor intrusion, sediment contamination, and redevelopment in an evolving regulatory environment.

Integrated Waste Solutions

Our integrated waste solutions team collaborates with you to develop a holistic strategy to address today's challenges and effectively anticipate and plan for airport needs over the next 30 years. Bringing the latest thoughts on circular economy and resiliency, we help you design and incorporate solid waste and recycling programs and elements that are more efficient, and improve sustainability, while integrating technological advances that improve safety and operations and provide future flexibility.

With experts in planning, economics, environmental science, sustainability, design, construction management, and operations, we provide customized, comprehensive planning and permitting solutions and facility design, construction, and operations oversight. Integrating our locally-based solid waste management services with international expertise from our global sustainable waste team and complementary businesses like power, water, transportation, sustainability, and operations enables us to provide you complete project development and technology services worldwide.

PFAS Management Strategies

Management of soils that are or potentially impacted by PFAS compounds is a critical issue from both the liability management and social capital point of view. Both air side and landside projects often involve removal and/or reuse of soil on or off the airport property. As PFAS regulations evolve, airports could be retroactively liable for PFAS soils disposed offsite, regardless if the airport followed current proper disposal practices. Potential PFAS impacts need to be considered during predesign and design activities, so that construction proceeds without costly delays. We are experienced, practical experts in addressing PFAS concerns in an aviation environment and our team of environmental professionals are integrated into our design and planning projects. Our track record over 40 years of environmental consulting brings valuable experience to airports in addressing environmental liabilities. We help airports develop robust soil management approaches both as a means of advancing the design through the construction process and managing risk without investigations.

Contact us

Regional Solutions Lead -
Aviation Environmental:
Robert Cipoletti
T: +1 617 963 3161
bob.cipoletti@jacobs.com

Aviation Environmental
CoP Manager
Amanda Struse
T: +1 972 759 0157
amanda.struse@jacobs.com

About Jacobs

At Jacobs, we're challenging today to reinvent tomorrow by solving the world's most critical problems for thriving cities, resilient environments, mission-critical outcomes, operational advancement, scientific discovery and cutting-edge manufacturing, turning abstract ideas into realities that transform the world for good. With \$14 billion in revenue and a talent force of approximately 55,000, Jacobs provides a full spectrum of professional services including consulting, technical, scientific and project delivery for the government and private sector. Visit [jacobs.com](https://www.jacobs.com) and connect with Jacobs on [Facebook](#), [Instagram](#), [LinkedIn](#) and [Twitter](#).

