

# Ian Ellis

(704) 555-0123 | [ian.ellis@example.com](mailto:ian.ellis@example.com)

[linkedin.com/in/ianellis](https://www.linkedin.com/in/ianellis) | 123 Elm Street, Charlotte, NC 28202



## SUMMARY

Accomplished civil engineer with over 12 years dedicated to project leadership and management in environmental engineering, especially in Coal Combustion Residuals (CCR) and solid waste consulting. Experienced in spearheading multidisciplinary teams, delivering comprehensive waste management facility designs while ensuring compliance with federal regulations. A strong background in client relationship management and strategic business development within the power sector enhances engagement and impacts outcomes positively. Proficient in AutoCAD Civil3D and Microsoft Office tools, committed to workplace safety, ethical decision-making, and exceeding industry standards.

## EXPERIENCE

**Senior Civil Engineer** January 2019 - Present  
Solid Waste Solutions *Durham, NC*

Oversee design and permitting of landfill and waste management facilities while ensuring alignment with federal and state regulations. Provide high-level project management that drives compliance and operational efficiency. Serve as a mentor for junior engineers, promote skill growth, and ensure adherence to quality benchmarks.

- Lead design and permitting for landfill projects while strictly adhering to regulatory frameworks.
- Collaborate closely with clients, crafting effective strategies for closing ash ponds and optimizing operations.
- Foster junior engineers' skills, significantly enhancing team capabilities and project execution quality.
- Manage project timelines and budgets effectively, maintaining targets throughout the lifecycle.
- Enhance client engagement by preparing and presenting detailed technical reports and project proposals.
- Conduct thorough site assessments to ensure compliance with safety and environmental protocols.

**Project Manager** June 2015 - December 2018  
EcoWaste Engineering *Greensboro, NC*

Directed production on civil engineering initiatives focusing heavily on landfill gas and stormwater management solutions. Engaged with stakeholders and governmental personnel to streamline project approvals and enhance quality delivery across the program.

- Effectively managed civil engineering projects, yielding significant improvements in sustainability practices.
- Directed quality assurance efforts during design and construction phases, exceeding industry expectations.
- Built and maintained impactful relationships with relevant agencies, leading to enhanced client trust and support.
- Facilitated engaging client meetings, retaining clear communication across project stages and feedback adjustments.
- Delivered comprehensive training to staff on specialized techniques like in-situ stabilization, boosting overall team competence.
- Ensured all project documentation complied with strict regulatory and safety guidelines.

**Civil Engineer** August 2010 - May 2015  
GreenField Consultants *Asheville, NC*

Contributed significantly to the design and implementation of waste management systems aimed at efficiency and compliance. Actively supported community outreach efforts to deepen stakeholder knowledge about sustainable waste management practices.

- Supported waste management system developments including crucial landfills and CCR facilities.
- Executed environmental impact assessments while ensuring compliance reporting met stringent criteria.
- Worked within interdisciplinary teams to devise innovative solutions addressing challenging engineering hurdles.
- Provided essential technical assistance to clients, aiding their understanding of complex regulations and requirements.
- Participated in outreach initiatives that educated stakeholders on effective waste management topics.
- Managed procurement processes smoothly, producing specifications vital for project adherence.

## LEADERSHIP & AWARDS

- Excellence in Project Management Award - Solid Waste Solutions, 2022
- Outstanding Leadership Recognition - EcoWaste Engineering, 2017

## EDUCATION

**Bachelor's Degree in Civil Engineering** 2010  
University of North Carolina at Charlotte GPA: 3.5 *Charlotte, NC*

**Coursework:** Water Resources, Soil Mechanics, Structural Analysis, Environmental Engineering

## CERTIFICATIONS

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- Licensed Professional Engineer (PE) 📅 2011
- Leadership in Energy and Environmental Design (LEED) Accredited Professional 📅 2014

## TECHNICAL SKILLS

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- **Civil Engineering Software:** AutoCAD Civil3D, HEC-RAS, StormCAD
- **Project Management Tools:** Microsoft Project, Trello, Asana
- **Communication Tools:** Microsoft Teams, Zoom, Slack
- **Reporting Tools:** Tableau, Microsoft Excel, Power BI
- **Sustainability Certification Programs:** LEED, Green Globes, BREEAM
- **Regulatory Guidance:** EPA Guidelines, NCDENR Regulations, OSHA Standards
- **Environmental Impact Assessment Methods:** NEPA, CEQA, SEQR
- **Stormwater Management Techniques:** BMPs, SWMM, LID
- **Data Collection Tools:** GIS, CAD Tools, Remote Sensing
- **Team Management Frameworks:** AGILE, Waterfall, Lean Six Sigma

## SKILLS

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|---------------------------------------|-------------------------------|-----------------------------------|----------------------------|
| • Civil Engineering Design            | • AutoCAD Civil3D             | • Data Analysis                   | • Stakeholder Engagement   |
| • Project Management                  | • Microsoft Office Suite      | • Environmental Impact Assessment | • Regulatory Compliance    |
| • Compliance with Federal Regulations | • Waste Management Strategies | • Quality Control Processes       | • Safety Protocols         |
| • Client Relationship Management      | • Technical Writing           | • Site Assessments                | • Training and Development |

## PROFESSIONAL AFFILIATIONS

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- Member, American Society of Civil Engineers
- Active Volunteer, Local Environmental Initiatives

## LANGUAGES

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- English (Native) • Spanish (Intermediate)

## ADDITIONAL INFORMATION

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**Work Status** : Authorized to work in United States. No sponsorship required.

## REFERENCES

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AVAILABLE ON REQUEST