

Ryan M. Fleming

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OBJECTIVE

Experienced Professional Engineer (PE) seeking to advance my career in the civil and water resources engineering field.

SUMMARY

- Background includes extensive surface water modeling, watershed permitting, planning and management, water resources design, project estimating, inspection and oversight
- Excellent analytical, communicative, interpersonal, and organizational skills. Ability to prioritize work, solve problems, and handle a variety of tasks in a busy environment
- Self-motivated, disciplined, hard worker who functions well independently and on a team

EMPLOYMENT EXPERIENCE

Emmons & Olivier Resources, Inc., Oakdale, Minnesota

2001 – Present

Water Resources Engineer 2 – Multifaceted background include:

Modeling

- Surface water modeling parameter methodology development, model construction and calibration in various SWMM based software and HydroCAD. Examples include 500-2000 node rural and urban lake, wetland, creek and entire watershed models for Watershed Districts, FEMA Flood Insurance Studies and private industry.
- Produce models for new development and retro-fit design as well as review of modeling from other entities.

Permitting

- Metro Watershed District rule development and revision to adapt to the changing needs of the district. Produce engineering reports applying rules and policies for developments within Watershed Districts. Perform compliance inspection, follow-up and coordination with other agencies.

Project and People Management

- Project management and full gamut services of field surveying, feasibility study, engineering design, drafting, construction specification, project estimating, and project oversight of a stormwater detention/retention project with multi-stage outlet and large rock revetment along Lake Michigan.
- Project management of tri-pronged study for industrial discharge pollution reduction involving groundwater investigation, infrastructure survey, monitoring and modeling.
- Surface water modeling software administrator for 12 modeling professionals and central XP-SWMM and StormNET server
- Manage a team of 2 field inspectors for permit compliance as well as manage workload for engineering interns.

Field Experience

- Survey experience with topographical, site layout and as-built recordation
- Erosion inspection, survey and analysis for watershed districts and private clients

Client Representation

- Primary client representative for a multibillion dollar private entity
- econdary client representative for two Twin Cities Metro Watershed Districts

Radisson Hotel Metrodome (Radisson University) – Minneapolis, MN

1997 - 2001 Bellman/Concierge –

- Provided bellman, concierge, valet, and shuttle services while working on a team of guest service representatives
- Anticipated client needs and assure satisfaction often through extra effort tasks

EDUCATION

Bachelor of Geo-Engineering, University of Minnesota, Twin Cities, Minnesota

- 2001 Academic Year: EP Pfeider Scholarship, Ruhnke Scholarship, Williams Memorial Scholarship
- 2000 Academic Year: EP Pfeider Scholarship
- Senior Design Project – Dakota County Lake Trout Habitat Improvement Project
- Coursework Included: Engineering Geostatistics; Hydrologic Design; Limnology; Petrology; Soil Mechanics; Geologic Field Mapping; Groundwater Mechanics & Modeling; Sedimentology & Stratigraphy; Project Management; Structural Geology

Certification & /Training:

- Professional Engineer (PE) registration in Minnesota and Illinois
- LEED Accredited Professional
- XP-SWMM training through XP Software
- P8 course through University of Wisconsin - Madison
- AutoCAD basic course by Alignex, Inc.
- Floodplain management workshop by Minnesota DNR Waters
- Certified Professional in Erosion and Sediment Control (CPSEC) preparation course

SUPPLEMENTARY INFORMATION

Computer and Equipment Experience:

- Modeling software: XP-SWMM, StormNET, HydroCAD, P8, PondNET, LOADEST
- Drafting & GIS software: Autodesk Land Desktop 2008, ESRI ArcMAP 9.3
- Microsoft Office Suite (Excel, Word, Power Point, Publisher)
- Experience with surveying principles, Total Station Geodimeter and Trimble DGPS
- Experience with calibration, setup, and data collection for American Sigma, Telogger, and Global Water measurement systems

Publications:

- Mohseni, O., Graske, G., Donovan, R., Fleming, R.M., Stone, M. and Stefan, H.G., 2001. Design of an Aeration System to Enhance Trout Habitat in Holland Lake. Project Report No. 450, SAFL, University of Minnesota.

References available upon request.