

## **STEVEN E. PATCH, P.E.**

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### EDUCATION

University of Maine, B.S. in Civil Engineering, 1983  
University of Maine, B.S. in Forestry Engineering, 1980

#### Special Courses

- Sanitary Landfill Design, 1985 - University of Wisconsin
- NUS Seminar for Hazardous Materials Handling, 1985 - Pittsburgh, PA
- Maine Cumberland County Soil and Water Conservation District “Stormwater Management (TR-55) and Best Management Practices” – 1992 Lewiston, Maine
- The Soil and Water Conservation Society and the International Erosion Control Association “Certified Professional in Erosion and Sediment Control Seminar” – 2000 Augusta, Maine
- Princeton Groundwater Pollution and Hydrology Course – 2000 Orlando, Florida
- SWANA Bioreactor Landfill Technology Development – 2007, Cumberland, Maine

### PROFESSIONAL REGISTRATION

Professional Engineer – Maine (Reg. No. 6438)  
Certified Professional in Erosion and Sediment Control (Cert. No. 2350)

### AFFILIATIONS

American Society of Civil Engineers (ASCE), Associate Member  
Solid Waste Association North America (SWANA) – Associate Member

### EMPLOYMENT HISTORY

1989 to Present - Sevee & Maher Engineers, Inc. (SME), Senior Project Engineer  
1985 to 1989 - Abington Constructors, Inc., Portsmouth, New Hampshire, Assistant Project Manager, Estimator  
1983 to 1985 - E.C. Jordan Co., Portland, Maine, Environmental Engineer  
1980 to 1983 - Seaward Construction, Kittery, Maine, Field Engineer

### EXPERIENCE

Mr. Patch has extensive experience in a variety of environmental, civil, and heavy mechanical construction projects. He is experienced in the design, permitting and licensing of a number of municipal and industrial landfills throughout New England, North Carolina, and Florida. His work in solid waste management has included the design of leachate collection systems, drainage and erosion control systems, leachate holding ponds, lagoon impoundments, and pump stations. He is also experienced in the use of computer-aided solutions to facilitate water balance determinations and leachate collection system performance evaluations, including elements of the Hydrological Evaluation of Landfill Performance (HELP) model. He has been directly involved in the preparation and oversight of numerous Stormwater Management and Erosion Control Plans for the landfill design projects he has managed.

Steve was extensively involved with the EPA RCRA 3012 program for the State of Florida. His work involved the preparation of preliminary assessments for 110 sites, including site inspections and field

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sampling of 40 selected sites throughout the state. He has also been involved as a field engineer and assistance project manager on a number of civil and heavy mechanical construction projects.

#### Partial Project List

- Georgia-Pacific Palatka, Florida Waste Management and Compliance (2008-2011);
- Bucksport Landfill Vertical Increase Amendment – Verso Paper (2010/2011);
- Bucksport Landfill Waste Management Planning and Compliance – Verso Paper/International Paper/Champion (2001-2011);
- Bucksport Landfill Expansion Project – Champion Paper (1999-2001);
- Mid-Coast Solid Waste Corporation Jacobs Quarry Landfill and Recycling Facility, Waste Management and Compliance (2010-2011);
- Juniper Ridge Landfill Expansion Project – State Planning Office and Casella Waste Systems (2004 – 2009);
- West Old Town Landfill Project – James River Paper Company (Fort James) (1991, 1996, 2000);
- Frenchville Landfill Projects – Fraser Papers (1990 through 2009);
- Wastewater Outfall Diffuser Replacement Project – Fraser Papers (2001);
- Woodwaste Processing Facility Permits – H.C. Crooker & Sons, Whitefield and Pejepscoot Gravel Pits (2009);
- Coal Ash Beneficial Reuse Permit – H.C. Crooker & Sons, Topsham Batch Plant (2008);
- Pejepscoot Pit Expansion Project – H.C. Crooker & Sons, Inc. (1993);
- Topsham Batch Plant – EPA Stormwater Pollution Prevention Plan – H.C. Crooker & Sons, Inc. (2001);
- Bath Iron Works Expansion Project, Portland, Maine (\$20M), 1983;
- National Gypsum Building Products, Portsmouth Plant (\$2.5M), 1985;
- United States Gypsum Plant Expansion, Stony Point, New York (\$1.5M), 1986; and,
- Portsmouth Naval Shipyard 165-ton Stiff Leg Derrick Crane (\$4.5M), 1988.