

Michael Flatt

Site Manager / Engineering Technician / Construction Inspector

AREAS OF EXPERTISE

- Site Management
- Surveying
- AutoCAD
- Water Sampling
- Construction Inspection
- Reclamation Inventories

EDUCATION

Associate Degree-
Civil Engineering Technology
North Dakota State College of Science,
1987

PROFESSIONAL HISTORY

2015 – Present. Site Manager
Spectrum Engineering and Environmental LLC,
Landusky Office, MT

2004 – 2015. Site Manager
Spectrum Engineering Inc., Landusky Office, MT

1999 – 2004. Senior Technician
Spectrum Engineering Inc., Zortman Office, MT

1993 – 1999. Environmental Coordinator
RSC & Pegasus Zortman, MT

1989 – 1993. Survey Technician
Pegasus & Bureau of Land Management

1988 – 1989. Field Technician for USDA

BACKGROUND

Mike has 27 years of experience providing engineering related services to the mining industry. His expertise includes construction inspection, surveying, water sampling, environmental assessments and data collection, field management and AutoCAD drafting experience. He has been able to apply his diverse background to the mining industry and then to reclamation.

REPRESENTATIVE EXPERIENCE

Zortman/Landusky Mine Reclamation Project

- Site Manager - oversee a staff of 5 in the operation of two water treatment plants, a biological treatment plant, and a land application disposal area.
- Construction Inspector - oversaw site contractors during reclamation activities.
- Surveying - GPS Trimble unit, operation of total station (theodolite, EDM, and data recorder), field calculation, construction surveys and mapping.
- Reclamation inventories - reclaimed acres, disturbance acres, and construction materials.
- Management of water quality data, laboratory reports, quality assurance, quality control, compliance requirements, and reporting to regulating agencies.
- Water sampling - operation of pump truck, recording field parameters, preserving samples, and coordination of samples sent to outside laboratories.
- Storm water and mine drainage constructions - application of synthetic liners.

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REPRESENTATIVE EXPERIENCE (cont.)

- Monitoring wells - maintenance and closure.
- Aid in permitting - operational, opencut, exploration, and water rights; AutoCAD drafting and reporting.

Mining/Environmental

- Surveying.
- AutoCAD – mapping of daily pit advances and drill hole patterns.
- Water sampling.
- Wildlife protection - reporting, inspections, fence and netting maintenance.
- Air quality - reporting and maintenance of PM-10 air monitoring stations.
- Public Relations - Pegasus Gold Corp. information booth at the Montana State Fair.

Government Agencies

- Retracement land surveys.
- Compliance inspections, field measurements, and mapping.

Utah Abandoned Mine Land Projects

- Cross-check ownership from BLM/USFS master title plats against plotted mineral survey plats.

TRAINING AND CONTINUING EDUCATION

- OSHA 29CFR1910.120 40-hour hazardous material handling training (HazMat) and annual 8-hour refresher training.
- 24-hour MSHA training and annual 8-hour refresher training.
- CPR/First Aid.
- Task training in operation of Cat D9 bulldozer, Cat 16G motor grader, backhoe, and sanding truck.
- Phillips County Fire Department.
- Director and V.P. of Malta Chamber of Commerce 1999.
- AutoCAD-Northern Montana College.
- Corporate Ethics Plan, Code of Business Conduct, Training
- Harassment Prevention Training