

DAYAN J. ANDERSON, B.S. Mining Engineering, MMSA
Senior Mining Engineer

Dayan Anderson is a mining engineer with over 12 years experience in open pit operations, strategic planning, and economic analysis. She has been involved in mine permitting, reclamation, and environmental management in the United States. Her experience includes the use of mine planning and pit optimization software, GPS and GIS technologies.

PROFESSIONAL EXPERIENCE

Independent Mining Engineer Onyx Mining Services, California
April 2008 to Present

Speciality Minerals Inc., Lucerne Valley, California
April 2004 to April 2008
Mine / Environmental Engineer

Responsible for supervision of mine reclamation projects and community outreach. This included mine permitting, environmental compliance audits, reclamation financial assurances, strategic and short range mine planning, ore control and surveying. Other activities included liaising with permitting agencies and local community as well as coordinating the Bighorn Collaborative research project.

As **Mine Manager**, responsible for supervision of quarry operations, mobile equipment shops, and contractors, as well as mine engineering, strategic planning, and mine permits, other activities included management of blasting inventory, budgets and capital projects.

As **Quarry Engineer**, responsible for supervision of mine reclamation projects, community outreach and management of mining claims and property holdings

Cleveland-Cliffs Inc., Ishpeming, Michigan
November 2002 to April 2004

As **Mine Planning Engineer** responsible for corporate level contingency planning, pre-feasibility and due diligence studies. Also assisted Cleveland-Cliffs properties with block modeling, economic analyses, pit design and long range mine plan optimization. Supervised mine engineering personnel and consulting mine engineers in the completion of various mine engineering and planning projects. Responsible for developing standardized mine-to-mill reconciliation reporting and key performance indicators for all Cleveland-Cliffs properties.

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Also established block modeling and 10-K reserve reporting standards for all Cleveland-Cliffs properties.

Cleveland-Cliffs Inc., Hibbing, Minnesota
June 2001 to November 2002

As **Mine Engineer** Responsible for mine plan optimization and scheduling with Chronos (Vulcan) software. Also developed stockpile designs and haulage plans, as well as building economic models and preparing 10-K reserve reports as well as performing mine life sensitivity analysis. Assisted with water sampling and wetland management and geo-statistical analysis.

Cleveland-Cliffs Inc., Palmer, Michigan
June 1997 to June 2001

As **Cost of Quality Area Champion / Coordinator** Responsible for coordination and implementation of corporate cost reduction program for mine operations as well as developing operational planning systems to evaluate dispatch production data and identify potential costs savings.

As **Mine Engineer** Responsible for building exploration and economic reserve models, performing model reconciliations, and designing life-of-mine pits.

As **Crew Coordinator/Dispatch Foreman** Operated dispatch system as well as supervising equipment moves and crusher repairs. Also responsible for conducting safety inspections of pit and crusher operations, as well as holding crew safety meetings.

As **Ore Control Engineer** Responsible for mapping blast pattern geology, collecting production samples, designing ore waste contacts; developed blasthole models and validation program to maintain integrity and analytical data.

Kennecott Energy, Gillette, Wyoming
May 1995 to August 1996

Engineering Intern: Developed strategic life of mine plan for surface coal property, also conducted internal audit of site commitments within various mine permits, and completed strategic analyses of competitor operations.

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**Colorado School of Mines (Edgar Mine) Idaho Springs, Colorado
January 1995 to May 2006**

Miner/Shifter: Responsible for operating jackleg, drill jumbo, overshot mucker, locomotive and LHD, also designed blast rounds and repaired rail and supervised 2 – 3 student crews.

**FMC Corporation, Kemmerer, WY
June 1995 to August 1995**

Mine Engineer: Assisted in SMCRA permit renewal also sampled overburden stockpiles for chemical suitability and inspected sedimentation ponds. Also responsible for repairing railroads and supervising 2 – 3 student crews.

**Phelps Dodge, Silver City, NM
June 1994 to August 1995**

Surveyor: Responsible for surveying production drilling, daily shovel progress, dumps and monitoring pit subsidence.

EDUCATION

Masters candidate, Environmental Policy and Management, University of Denver, Thesis to be completed in 2009

B.S. Mining Engineering (Environmental Policy Minor) University of California, 1994

PROFESSIONAL MEMBERSHIPS

- American Institute for Mining Metallurgical and Petroleum Engineers (AIME)
- Society for Mining, Metallurgy and Exploration (SME)
 - Incoming Chair of M&E Division (2008-2009)
 - M&E Division Executive Committee (2003 to Present)
 - Chair of Upper Peninsula Section (2003-2004)
 - Co-Founder & Co-Chair of Young Leaders Committee (2002-2004)
 - Sustainable Development Committee (2003-2005)
 - Open Pit Mining Unit Committee Chair (2002)
 - Membership Committee (2001-2002)
 - Upper Peninsula Mining Sub-Section Chair (1998-1999)
- Women's Mining Coalition (WMC)

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- Mining and Metallurgical Society of America (MMSA)
- Northwest Mining Association (NWMA)
- Women in Mining (WIM)
- Society for Ecological Restoration (SER)

PUBLICATIONS

“The Mojave Sustainability Project: A Model for Community Partnerships” Mining Engineering,
(Nov 2005)

AWARDS AND HONORS

Outstanding Young Professional Award for M&E Division of SME (2003)
Future Leader Award of SME (2001)
Colorado School of Mines E-Days Engineer Award (1997)
SME Coal Division Scholarship (1996)
SME Colorado Section Scholarship (1996)
NWMA Student Poster Session Award (1996)
Paper Title: “Sustainable Development and the Minerals Industry”
Women in Mining Scholarship (1995)