

Rule Engineering, LLC

Solutions to Regulations for Industry

Statement of Qualifications

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Rule Engineering, LLC

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Statement of Qualifications

Introduction

Rule Engineering, LLC (Rule), was founded as a Colorado Limited Liability Company on October 29, 1997. Rule was created to offer professional environmental engineering, and safety, health and industrial hygiene consulting services to industry. Rule's focus is to develop and implement business approaches that meet the requirements of a variety of environmental and safety related risks and regulations. Rule's services reduce our client's risk while saving money and time addressing regulatory issues.

Rule is carefully designed to provide services that focus on and satisfy the client's expectations. Understanding client's expectations is fundamental to providing effective, timely and cost competitive consulting service. Rule's staff of registered engineers, certified safety professionals, professional geologists, certified industrial hygienists and technical specialists recognizes the need for services to meet the client's business expectations by solving technical, environmental or safety issues.

Rule provides its services to a private sector clientele in the areas of:

- **Develop, implement and trouble shoot environmental and safety programs and management systems;**
- **Prepare applications and audit air, water and waste permits;**
- **Perform environmental and safety compliance inspections;**
- **Conduct site assessments and soil/groundwater/surface water investigations;**
- **Provide OSHA compliance and competent person training;**
- **Implement on-site safety programs;**
- **Prepare risk assessments and develop risk control management plans;**
- **Install and operate surface water, soil and groundwater systems;**
- **Close contaminated sites under UST and voluntary programs; and**
- **Advocate client interests to regulatory agencies, the community and the courts.**

Rule addresses client concerns related to EPA and OSHA compliance, including: RCRA, CERCLA, EPCRA, Clean Air Act (CAA), Clean Water Act (CWA), Voluntary Protection Programs (VPP) construction and general industry standards training, and worker's compensation. Rule also provides support for other state and local environmental and safety related regulations including Voluntary Cleanup Programs, storm water management, UST regulations, waste management, and groundwater cleanup programs. Rule also has successfully filed reimbursement claims under state UST fund programs using innovative financial programs.

For Rule's client's protection, Rule is covered by commercial and professional liability insurance and can meet most project or program insurance requirements.

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General Capabilities & Experience

Rule's capabilities are based on the skill and experience of its principals, professional staff, associates and administrative staff. Rule has registered engineers, certified safety professionals, registered geologists, certified industrial hygienists, and other environmental professional and support staff to meet most project and program requirements of its clients.

Rule's principals have provided technical services to industry in senior level environmental engineering/management and safety/facilities management positions in major publicly traded corporations. Rule's employees and associates have a wide breadth of industry and consulting experience. The principals have personally provided technical and business services throughout the United States on a variety of facilities addressing numerous regulatory and business requirements.

Some selected examples of the specific experience of Rule's principals include:

- **Develop operations based environmental management system for petroleum refineries;**
- **Develop and implement a safety program for an insurance agency supporting an owner controlled insurance program on a \$100 MM construction project;**
- **Develop process safety information, material safety data sheets and related process safety management information for the oil and gas industry;**
- **Conduct site-wide multi-media environmental audits of petroleum refineries;**
- **Develop and implement corporate safety programs for manufacturing and construction;**
- **Prepare risk management plans, quality assurance plans, annual emissions inventories, MACT notice of compliance status and periodic compliance reports, toxic release inventories, responses to federal and state information requests, etc. for petroleum refineries;**
- **Represent the owner in managing technical, regulatory and political aspects of a RCRA facility investigation;**
- **Work with insurance agencies to present owner controlled insurance programs to prospective clients;**
- **Develop worker's compensation cost containment programs for construction, service and manufacturing clients;**
- **Prepare storm water permit applications and storm water management plans;**
- **Provide expert witness support for industrial clientele.**

Brief descriptions of Rule's selected project experience are presented in Attachment One of the Statement of Qualifications.

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Resumes of Key Personnel

Rule's professional resources, include our principals, employees and associates. Rule is comprised of a mix of engineers, certified safety professionals, industrial hygienists and other environmental, safety and health professionals, and support staff. Selected resumes of Rule's professional resources are presented in Attachment Two. As can be seen in the resumes, the Rule team brings a broad base of technical and business skills to its clients.

Copies of registrations or certifications are available upon request. More detailed resumes with specific project descriptions can be provided upon request.

Resumes for the following Rule staff and selected associates are presented in Attachment Two.

Rule Principal Members & Professional Staff

- **Mr. Michael A. Brown, PE; Principal Engineer & Managing Member**
- **Mr. Russell Knight, PG; Principal Hydrogeologist**
- **Mr. George Wolff, CSP (1990-2015); Principal Safety & Health Manager**
- **Mr. Daniel J. Dawson, MS; Environmental Scientist**
- **Ms. Kerri Crawford, PE; Senior Engineer**
- **Ms. Tracy Loftus; Environmental Scientist**
- **Mr. Bradley White; Environmental Scientist**
- **Ms. Erika Hill; Staff Engineer**
- **Ms. Deanne Schiele; Office Manager**
- **Mr. George Wolff III, STS; Safety Consultant, EMT**
- **Mr. Blair Rollins; Project Manager (Grand Junction)**
- **Ms. Heather Woods; Area Manager / Geologist (Farmington, NM)**
- **Mr. Justin Valdez; Staff Geologist (Farmington, NM)**

Selected Rule Associates

- **Ms. Holli Merchant, CIH, CSP; Senior Safety Consultant**

Rule's professional resources include a large group of associates and technical-specialty subcontractors to provide specialty services as needed. Rule's associates include senior-level engineers, certified industrial hygienists, certified safety professionals, risk-management specialists, scientists, field technicians and labor. Rule engages the necessary support staff to address project specific needs.

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Attachment One

Selected Project Experience

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Relevant Project Experience

The principals of Rule bring over 60 years of environmental, safety and health experience to Rule's clients. Rule's principals and staff have substantial experience in providing engineering and scientific consulting on a wide variety of projects. The following project experience descriptions provide a selected listing of projects that Rule Engineering has successfully implemented. Details of the additional experience of the principals, employees and associates can be provided upon request.

Environmental Project Experience

Project: Air Compliance Matrix

Facility: Colorado, Montana and Wyoming Refineries

Description: Rule evaluated requirements of state and federal air regulations and orders air regulations, and an existing operating air permit application that are applicable to process operations and developed a mechanism to communicate those requirements in a useable format to specific operations activities. The completed regulatory/operations matrix is being used to write environmental sections in operations manuals and as a basis for an environmental management system.

Project: Groundwater Remediation System Design and Construction

Facility: Wyoming Refinery

Description: Designed a treatment system for groundwater remediation at a refinery. The design included evaluating the flow rates and water quality for a series of groundwater remediation systems including recovery wells and interceptor trenches. An investigation was completed to evaluate groundwater remediation necessary to capture groundwater and light non-aqueous phase liquids (LNAPL) migrating off-site. Based on the investigation, a groundwater treatment system was designed and an NPDES permit application was submitted and approved for treated water discharge to a creek. The treatment system consisted of an oil/water separator for LNAPL removal and an air stripper for water treatment. Due to the inorganic water quality a water pretreatment chemical injection system was also designed to prevent fouling of the air stripper. The system also included controls to maintain design flow rates from the various pumping systems.

Project: Title V and MACT Program Support

Facility: Texas Refinery

Description: Provided support for the Title V program at a Texas petroleum refinery. This included permit amendments, deviation reporting, FF and QQQ drain inspections, and source testing oversight. Permit amendments completed to support operational changes, including new construction and decommissioning. Semiannual permit deviation reporting was documented using the Essential Suites software to perform a reasonable inquiry into the compliance status with the Title V permit. FF and QQQ drain inspections; oversight of the source testing contractor; MACT program support, including periodic reporting. Rule also performed SSMP, OMMP maintenance; and storage tank inspections.

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Project: Impoundment Investigation and Ecological Risk Assessment

Facility: Wyoming Refinery

Description: Conducted an investigation of an off-site wastewater impoundment to assess soil and surface water impacts to ecological receptors. Data was compared to ecological benchmarks to provide a screening to develop a response to possible impacts. The downstream impacts were below benchmark levels or demonstrated to be background and no further action was required. A work plan was developed to further investigate and remediate sediments in part of the impoundment.

Project: UST Assessment and Remediation

Facility: Colorado various UST sites

Description: Rule implemented the investigation and remediation of a number of leaking storage tank (UST) sites. Responsibilities included site assessments, routine groundwater monitoring and reporting, preparation and implementation of Corrective Action Plans (CAPs) including negotiation agency approval of reasonable costs under the state reimbursement fund program. Work also included the design, installation and operation of remedial systems involving air sparging and soil extraction technologies, and successfully applying for No Further Action (NFA) and closing sites.

Project: RCRA Facility Investigation Management

Facility: Colorado Refinery

Description: Rule served as the project manager for the implementation of a refinery wide RCRA Facility Investigation (RFI). Rule's responsibilities included advising CRC regarding agency negotiations, directing project team technical activities, preparing and submitting technical reports, interfacing with legal to develop regulatory directions and technical approaches and representing the refinery in negotiations and forums with other oil companies participatory in related RFI efforts.

Project: Oily Water Sewer Mapping and Material Balance

Facility: Texas Refinery

Description: Developed an approach to use refinery PIDs, surface information, along with underground testing to create a comprehensive detailed master drawing of the oily water sewer system (OWS) at a refinery. Detailed OWS were developed to comprehend how the system functions, plan maintenance, locate leaks and comply with environmental regulations. Rule also identified more than 800 specific engineering projects to debottleneck the OWS, prevent hydrocarbons from entering the system, and to attain Subpart QQQ compliance. Rule performed a material balance on the OWS to increase accuracy in Total Annual Benzene reporting and evaluate future injection well needs.

Project: Slurry Wall Design and Construction

Facility: Wyoming Refinery

Description: Designed, and constructed 1,700 lineal feet of 25-foot deep impermeable subsurface wall using slurry construction technique, and 500 lineal feet of interceptor trench using a biodegradable polymer construction technique to form a groundwater boundary control system at a petroleum refinery in Wyoming.

The work included securing EPA and DEQ approval; design; preparation of construction plans, specifications and bid documents; qualified contractor selection, bid evaluation and recommendation of the successful bidder, contract administration; construction oversight

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and quality control; performance evaluation and documentation; and long-term performance monitoring.

Project: Air Emissions Inventory and Reporting

Facility: Wyoming and Colorado Refineries

Description: Compiled a complete emissions inventory for various permitted units throughout the refineries; utilized AP-42 emissions factors, as well as, mass balance calculations. Prepared required agency reports such as: Air Pollutant Emission Notifications, Excess Emissions Reporting and Flare/Upset Condition Reporting.

Project: Part B Permit Application

Facility: Wyoming Refinery

Description: Prepared a streamlined Part B Permit Application for a wastewater unit in the refinery that was designated in a Consent Decree as formerly managing potential hazardous waste. The permit application was deemed complete and Rule supported the refinery in negotiating the terms of the Part Permit.

Project: Air Dispersion Modeling

Facility: Multiple clients

Description: Performed comprehensive air dispersion modeling for pollutants from multiple quarry, sand and gravel operations in Colorado. Modeling incorporated local meteorological data, terrain, buildings, area vegetation, surface characteristics, pollutant sources, pollutant loading, and contributions from other nearby sources in the analysis. The models pinpointed targets for cost-effective projects to minimize pollutant impacts in surrounding areas and demonstrate compliance with National and State ambient air quality standards as well as for “good neighbor” purposes.

Project: Groundwater Agricultural Use Evaluation

Facility: Numerous Farms in Texas Panhandle

Description: Conducted a technical evaluation of 7 large farm properties in the panhandle of Texas utilizing the Ogallala Aquifer for crop irrigation. Existing production wells providing water to center pivot sprinkler systems were evaluated. Geologic cross-sections were prepared and analyzed to identify areas of maximum saturated thickness and appropriate lithology, and recommendations were made for additional production well locations. The project was performed to document the groundwater resources and water level declines at each property, develop a plan for the proper and appropriate use of the resource for long term sustainability within the constraints of the regulations of the North Plains Groundwater Conservation District.

Project: Stormwater Permit

Facility: Colorado Industrial Facility

Description: Prepared a stormwater permit application for a fiberglass manufacturing facility. Rule developed a stormwater management plan and inspection program in compliance with the permit conditions.

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Project: MACT Compliance

Facility: Wyoming Refinery

Description: Assisted the refinery in preparing for and documenting its compliance with Refinery MACT I requirements. Rule worked closely with refinery staff to enhance certain environmental programs and prepare the refinery Notice of Compliance Status Report, annual emissions inventory, fugitive emissions monitoring reports, toxic release inventory, first MACT periodic report and other related compliance documents during the MACT implementation and documentation period.

Project: LDAR Program Management

Facility: Colorado and Wyoming Refineries

Description: Managed the refinery's Leak Detection and Repair (LDAR) program under the conditions of compliance set forth by the Consent Decree. Scheduled and oversaw all compliance monitoring activities performed by subcontractors. Uploaded and managed all monitoring data through LeakDAS, a SQL Server database (Colorado refinery only). Submitted all repair requests and work orders through the refinery's SAP driven maintenance system. Prepared quarterly LDAR and fugitive emissions reports.

Project: CEMS Operations and Reporting

Facility: Colorado Refinery

Description: Worked with the refinery's I&E department to ensure the correct operation and maintenance for all Continuous Emissions Monitoring Systems (CEMS). Established a procedures manual to be utilized by plant personnel including daily calibration verifications, establishing acceptable vs. unacceptable drift, call-outs for instruments deemed out of control and daily reporting requirements. Oversaw quarterly Gas Cylinder Audits (CGAs) and annual Relative Accuracy Test Audits (RATAs) for all CEMS at the facility. Prepared the agency required QA/QC report detailing each CEMS including: permitted unit, pollutants monitored, analyzer range, calibration range, analyzer drift and analyzer audit schedule.

Project: TRI Reporting

Facility: Multiple Manufacturing Clients

Description: Researched the manufacture, process and use of all toxic chemicals in order to estimate the quantities discharged and/or released to air, water and land from all aspects of facility operation. Identified chemicals or compounds which exceeded reporting thresholds and prepared the Toxic Release Inventory Report (TRI) under the requirements of EPCRA Section 313.

Project: MACT Compliance

Facility: Colorado Refinery

Description: Assisted the facility in complying with the Maximum Available Control Technology (MACT) requirements for three units at the refinery. Worked with refinery operations and process engineers in order to establish optimized operating conditions for the Fluidized Catalyst Cracker Unit, Sulfur Reduction Unit and Reformer/Hydrotreater Unit. The theoretical optimized operating conditions were then evaluated by conducting a series of diagnostic emissions "stack" tests utilizing USEPA test methods. When true optimized operating conditions were obtained for each unit, official compliance tests were

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conducted and unit operating limits were then established in compliance with the emissions standards governed by MACT.

Project: Hydrocarbon Release Evaluation & Expert Services

Facility: Colorado Industrial Plant

Description: Rule was retained by legal counsel to evaluate a large, industrial chemical release to groundwater that was posing a regulatory concern for the client's down-gradient property. Rule's evaluation of historic release and existing environmental data indicated the client should not be subject to regulatory action. Rule, with legal presented our analysis to the governmental agencies involved in the release and persuaded the agencies that they had no basis to enforce against the client.

Project: Compliance Air Audit

Facility: Wyoming and Colorado Refineries

Description: Rule was retained to conduct an air regulatory compliance audit of various specific operational components at a petroleum refinery. Rule collected and evaluated operational and permit data pertinent to the refinery's compliance with the applicable state and federal regulations for the National Emission Standard for Benzene Waste Operations, Prevention of Significant Deterioration (PSD), and Leak Detection and Repair (LDAR) permit requirements.

Project: Valuation of Environmental Conditions

Facility: 1000 Oil and Gas Properties in Four Western States

Description: Rule was retained to provide a third-party valuation of the environmental issues, if any, associated with approximately 1000 producing oil and gas properties in a four-state area. Rule gathered historic release and regulatory information; evaluated other author's assessments of the environmental conditions and potential liabilities at the sites; and conducted a valuation of other author's environmental mitigation cost estimates for various groupings of wells, tank batteries and other oil and gas properties. Rule provided its written opinions to counsel.

Project: Regulatory Support and Management

Facility: Rocky Mountain Area Refinery

Description: Rule personnel assisted the refinery legal counsel in the development of an environmental strategy for a large petroleum refinery in the Rocky Mountain Area. Rule's activities included meeting with the client and clients counsel, assessing existing regulatory activities, including NOVs if any; pending federal and state regulatory action; and in establishing the client's business considerations with respect to the agencies actions. Rule personnel developed and presented a regulatory strategy program that identified regulatory options, evaluated option costs and benefits and assisted the client and client's counsel in developing an approach for presentation to the regulatory agencies.

Project: CERCLA Liability Assessment

Facility: Michigan Refinery

Description: Rule provided expert witness services regarding the practical aspects of groundwater contamination that might be caused by an abandoned petroleum refinery

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relative to a solvent recycling facility. Rule's opinions were based upon review of: existing site and area data, applicable environmental regulations; historical activities at the site and from surrounding industrial and commercial facilities; and opinions espoused by other parties involved in the litigation. Rule presented opinions in depositions regarding the site conditions. The case was settled prior to trial.

Project: Air Permitting

Facility: Colorado Manufacturing Plants

Description: At two of the client's manufacturing facilities, Rule worked under Colorado's self-audit privilege to review certain construction and operating documents, prepare emissions estimates and air permit applications and negotiate construction permits and an operating air permit.

Project: Wastewater Treatment System Compliance

Facility: Colorado Industrial Plant

Description: Rule evaluated the wastewater treatment system compared to the industrial wastewater permit conditions. Rule provided consulting to increase operating process efficiency and eliminate system bottlenecks.

Safety and Health Project Experience

Project: Construction Safety Management

Facility: New Mexico Casino Construction Project

Description: Rule assisted in the development; implementation and administration of an owner controlled insurance program (OCIP) at a \$100MM casino construction project. Rule provided a full-time safety coordinator to represent the owner, and the OCIP on the construction site. The insurance carrier demonstrated the success of the project safety performance by providing a substantial dividend payment to the owner.

Project: Construction Safety Management

Facility: New Mexico Hotel and Convention Center

Description: Rule assisted in the development; implementation and administration of an owner controlled insurance program (OCIP) at a \$150MM hotel and convention center construction project. Rule provided a full-time safety coordinator and EMT's to represent the owner and the OCIP on the construction site.

Project: Construction Safety Management

Facility: Sandia National Laboratories, Albuquerque, New Mexico

Description: Rule provided construction safety management for the Sandia National Laboratories, DOE site. A full-time Safety Manager on the MESA construction project provided daily oversight and the written documentation to support findings, observations, good safety practices and any corrective actions that are required in the implementation of the contractor safety and health program for the daily work plan.

Project: Process Safety Information

Facility: National Gas Processing Plants

Description: Rule evaluated process chemicals and potential mixing scenarios at numerous gas processing facilities across the nation, and developed process safety

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information (PSI). The PSI had to be presented in a format that was useable for training and emergency response at the client's facilities and for use during hazard analysis required for process safety management.

Project: Rocky Flats Site Closure Project

Facility: Rocky Flats Plant (Rocky Flats Environmental Technology Site)

Description: Rule supplied full time professional personnel to supervise safety during the demolition of production buildings; specifically, the oversight of electricians that were performing activities that could result in arc-flash (70-E, National Electrical Code) and/or lock-out-tag-out issues.

Project: Worker Air Exposure Evaluation

Facility: Western Kansas Trade School

Description: Rule evaluated an alleged contractor exposure to isocyanates at an auto body painting facility in a trade school in western Kansas. Rule's safety staff visited the site, collected workspace and personnel air samples during facility operations, and evaluated the physical and mechanical setting of the facility. The collected samples were analyzed for a variety of chemical constituents associated with auto body painting operations. The sample results were compared against a variety of regulatory and industry standards for exposure to isocyanates. Rule prepared a report describing the findings of the sampling effort and its conclusions concerning the issues addressed during the study for submittal to the client.

Project: Fatality Investigation and Safety Policy Development

Facility: Colorado Distribution Warehouse

Project Description: The owners retained Rule to assist with an incident regarding a fatality that included investigation, recommendation of counsel and meetings with OSHA compliance officers. Rule provides safety process improvement through site audits, written program update, employee coaching, OSHA record keeping, claims management and compliance training/evaluation of forklift operators. Additionally, Rule developed a fleet policy that was adopted by this construction supplies distributor.

Project: Safety Program Development and Implementation

Facility: Denver, Colorado

Description: Rule customized and implemented a construction safety program to meet client specific needs and culture on a three-month schedule. The program incorporates various construction divisions and projects including wood-frame; steel erection and tenant finish interior build-out. Rule implemented the program through corporate / construction site training and provided supervisor competent person training.

Project: Safety Audits

Facility: Colorado Various Facilities

Description: Insurance carrier retained Rule to conduct audits of selected clients' Safety/Loss Prevention programs to determine the adequacy of the programs in terms applicable to the State of Colorado's Cost Containment Certification criteria. Rule identified areas of the loss prevention programs that met the criteria and those areas that were deficient. Rule provided recommendations for efforts necessary to gain acceptance

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and approval under the CCCC program. Rule also provided a broad-based Risk Control management consulting for safety program improvement.

Project: Safety Management Consulting

Facility: Colorado Construction Contractor

Description: Rule supported the client in their OSHA informal conference for citations and proposed penalties. The meeting resulted in a reduced settlement based on a hazard abatement plan and the demonstrated management commitment for safety process improvement by hiring Rule. The existing written safety program was reviewed and updated by Rule and translated into Spanish. Rule performs the function of the safety department providing strategic planning and ongoing safety training for management, supervisors, safety committee members and workers. Rule provides training for staff in record keeping, injured worker claim management, return to work program and OSHA compliance.

Project: Safety VPP Management

Facility: Greeley, Colorado Manufacturing Plant

Description: Rule provided an analysis of safety process and operations for this heavy manufacturing facility. The deliverable product was a gap analysis, for the Owner's Board of Directors, regarding current operations compared to the requirements for OSHA Voluntary Protection Program (VPP) application. The report included strategies and defined the level of effort required for successful application to the merit level VPP.

Project: Safety Risk Assessment and Loss Control

Facility: Denver and Surrounding Areas

Description: Rule assisted in marketing to provide details for a risk improvement plan during the meeting for a potential manufacturing account. The marketing effort was successful. Rule currently provides on-going risk improvement efforts in training, policy development and implementation. Other services provided by Rule include communication with the Carrier loss control staff on behalf of the agency and the insured.

Project: Traffic Control Expert Witness

Facility: Colorado Law Firm

Description: Rule was retained by a Law Firm in support of litigation defense to opine on the traffic control plan (TCP) and method of handling traffic (MHT). Rule provided detail under CDOT specifications for documentation requirements relating to this case.

Project: Colorado Contractors Association (CCA) Training

Facility:

Description: Rule was retained by the CCA to train and certify candidates for the Traffic Control Supervisor (TCS) certification required by Colorado Department of Transportation (CDOT). The CCA certification course is one of two courses recognized within CDOT specification for developing traffic control plans and methods of handling traffic for CDOT projects. Rule worked to develop modifications of the established course to better meet the needs of the participants and enhance the learning process. The participants represent independent contractors, engineering firms, traffic control companies, municipalities, counties and CDOT. Additional training provided by Rule

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includes a competent person 10 hour OSHA course specifically designed for road building contractors.

Project: Associated General Contractors of America (AGC) Training

Facility: National

Description: Rule was retained by the AGC to train trainers on traffic control aspects and safe work practices for road building. The course was developed with a focus on adult learning principals and included a “how to present” workshop for the participants.

Project: Confidential

Facility: International

Description: Rule was retained by this international manufacturing organization to develop a standard format for manufactured OEM parts. The project requires calculating the constituents of end products based on proprietary formulations and processes. The format satisfies the USA OSHA Hazard Communication standards as well as the European Community requirements. The satisfactory results were achieved through interaction with Client staff and Rule professionals of various disciplines depending on expertise needed during different phases of the project.

Project: DOT Security Plan Development

Location: Colorado Transportation Company

Description: Rule was retained by this transportation company to assisting in the development of the DOT compliant transportation security plan. Additional duties included training drivers on the company plan, general awareness and hazard communication.

Project: Construction Fatality Expert Witness

Facility: New Mexico Construction Site

Description: Rule was retained by legal defense to provide expert witness consulting for a case regarding a fatality on a construction site. The case involved a belly dump semi-truck with a “ground man” controlling the dump gates. The consultation with the defense team resulted in a settlement of the case.

Project: Environmental, Safety and Health Compliance

Facility: Colorado Printing Plant

Description: Rule was retained to provide Environmental, Safety and Health consultation and training to assist this company with regulatory compliance. Rule provided review of current permits, programs and recommended changes to process and policies that will enable compliance. Rule continues to assist with technical review of process and provides training for management and employees on an ongoing basis.

Attachment Two
Resumes of Key Personnel

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RESUME OF MICHAEL A. BROWN, PE

EDUCATION: MS Civil Engineering, University of Colorado; 1991
BS Geological Engineering, University of Idaho; 1980

PROFESSIONAL EXPERIENCE: 34 Years

EMPLOYMENT HISTORY:

Rule Engineering, LLC; Principal Engineer & Managing Member, 1997 - Present

Responsible for technical oversight of Rule's environmental work product. Technical expertise includes multi-media environmental permitting and auditing, development of operations oriented environmental management programs and systems; regulatory compliance strategy development and advocacy. Competent in federal and numerous state environmental regulations, including CAA, RCRA, CWA, OPA and EPCRA. Also experienced in aspects of CERCLA and TSCA and process safety management. Significant experience providing environmental engineering and management services for petroleum refineries, related oil and gas facilities/terminals, manufacturing and construction. Additional responsibilities include managing the operational and financial aspects of Rule Engineering, LLC.

Total Petroleum, Inc.; Corporate Environmental Manager, 1994 - 1997

Refinery Environmental Manager (interim), 1995 - 1996

Senior Engineer for Non-Operating Facilities, 1993 - 1994

Marketing Environmental Manager, 1988 - 1993

Progressive responsibility for identifying and evaluating Total's environmental risks, and formulating, implementing and managing business focused environmental risk management solutions, programs and systems. Specific responsibilities and projects included: multi-media environmental auditing in refining; corporate risk probability and economic analysis; management system formulation and implementation in refining and marketing; RFI and remediation project management at operating and non-operating refineries; management of a NEIC multi-media inspection at a refinery; negotiations of federal and state alleged NOV's in air, water, waste and remediation; assisted in risk management planning for a waterfront-terminal and refineries, conducted a seven-jurisdiction area exercise at a waterfront-terminal; provided technical support and expert testimony in federal court, arbitration and mediation; completed all forms of environmental reporting for agencies, business units and corporate; and managed a \$10MM annual construction budget in marketing and multi-million dollar remediation budgets for numerous facilities/projects.

Fox & Associates, Inc.; Project Manager, Project Engineer, 1982 - 1988

Northern Testing Laboratories, Inc.; Staff Engineer, 1981 - 1982

Managed geotechnical, geological and environmental engineering projects at disposal, commercial, industrial, municipal and mining sites in the mid-continent area. Designed and provided construction management of a 2500 foot long slurry wall; conducted groundwater investigations and pumping well tests and evaluated slope stability, seepage and foundation concerns at tailings dams and earthen dams. Assisted with the design of landfills, 404-permit preparation and mined land reclamation evaluations.

ADDITIONAL SKILLS & TRAINING:

Registered Professional Engineer (CO, WY, TX)
Colorado Listed Environmental Consultant, #6069
OSHA 5810, 40-hr Oil & Gas Safety Training
Safe Land Training (Oil & Gas Safety Training)
29 CFR 1910.120 HAZWOPER 40-hr training with current 8-hr refresher

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RESUME OF RUSSELL KNIGHT, PG

EDUCATION: MS Geology, University of Utah; 1986
BS Geology, Chemistry Minor, Adams State College; 1982

PROFESSIONAL EXPERIENCE: 28 Years

EMPLOYMENT HISTORY:

Rule Engineering, LLC; Principal Hydrogeologist, 2002 - Present

Responsible for managing projects and providing senior technical review for hydrogeological issues. Technical expertise includes site assessment, groundwater fate and transport modeling, remedial system design and implementation, surface water management and strategic risk management and planning. Extensive experience in federal and numerous state environmental regulations, and an understanding of risk-based corrective action (RBCA) and natural attenuation remedies for petroleum and chlorinated solvent hydrocarbons. Experience providing environmental services for petroleum refineries, oil and gas, railroads, construction and manufacturing facilities.

The RETEC Group, Inc.; Senior Program Manager, 1991 - 2002

Progressive responsibility for management of multiple large projects, program management for railroad and petroleum clients, and operational management for geoscience group. Specific projects included: RCRA corrective action program at refinery to implement data collection for an RFI and risk assessment, system design and implementation for in-situ soil and groundwater remediation, LNAPL assessment and recovery, stream channel realignment and restoration, 2,400 feet of slurry wall installation; RBCA assessment for closed petroleum refinery; RFI with risk assessment preparation, stormwater management system installation and permitting, CAMU permit application, wetland bioremediation for chlorinated solvents and diesel fuel at a major railroad facility; preparation of RCRA Part B Permit application for a refinery; assessment and interim corrective actions at a solvent distribution facility under CERCLA; emergency response removal of tar spill in river from railroad tanker cars.

Shepherd Miller, Inc.; Project Manager, 1990 - 1991

Responsibility for managing projects and providing hydrogeological analysis. Specific projects included: assessment of groundwater and surface water geochemistry at mining site in CO; prepared mitigation plans and coordinated construction monitoring to address contaminated sites for pipeline in Los Angeles.

Entrix; Senior Hydrogeologist, 1989 - 1990

Responsibility for managing projects, and providing hydrogeologic analysis. Specific projects included: EIR preparation for 130-mile crude oil pipeline in southern CA, assessment of contaminated sites near construction corridor that included landfills and industrial sites; prepared Environmental Assessments (EAs) for pipeline expansion projects; conducted site assessments for PCBs at pipeline compressor sites.

Groundwater Technology, Inc.; Geologist, Project Manager, 1987 - 1989

Responsibility for implementing site assessment and remediation projects at UST sites and a variety of industrial sites. Prepared Phase 1 environmental assessments.

ADDITIONAL SKILLS & TRAINING:

Professional Geologist, (WY, TX)
Colorado Listed Environmental Consultant, #6070
Safe Land Training (Oil & Gas Safety Training)
29 CFR 1910.120 HAZWOPER 40-hr training with current 8-hr refresher
DISA Drug & Alcohol Testing Program – Active Status

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RESUME OF GEORGE WOLFF, CSP (1990-2015)

EDUCATION: MIS, Industrial Safety & Hygiene, University of MN, Duluth; 1982
BA, Behavioral Sciences, University of MN, Duluth; 1970

PROFESSIONAL EXPERIENCE: 33 Years

EMPLOYMENT HISTORY:

Rule Engineering, LLC; Principal & Safety and Health Manager, 1999 - Present

Provide technical oversight for Rule's safety and health work product. Responsible for assessing client operations, and developing and implementing effective safety approaches, programs and management tools. Develop and conduct training programs. Specializes in the manufacturing, construction and insurance industries. Additional responsibilities include maintaining Rule's marketing and insurance programs.

CIGNA P&C; Loss Control Manager – Rocky Mountain Area, 1994 - 1999

Managed and trained workers compensation loss control consultants through goal setting and coaching techniques. The book of business managed in this eight-state territory consisted of up to 850 clients, including light to heavy manufacturing in low to high tech industries and construction contractors.

Metrum, Inc.; Facilities Manager/Safety, Environmental Engineer, 1991 - 1994

Developed a comprehensive safety and environmental program in this high tech manufacturing facility. Managed a \$2M remodeling project, lease negotiations, the maintenance of the production equipment and facilities, security, telecommunications, and safety and environmental compliance.

Total Petroleum, Inc.; Marketing Safety Manager, 1989 - 1991

Responsible for employee and general public risk reduction at the 625+ convenience stores in 18 states. Managed health and safety aspects of emergency responses, including conducting air sampling and results interpretation.

Sundstrand Aviation; Plant Safety Engineer, 1987 - 1989

Directed plant safety and security functions of this Denver manufacturing facility. Quantified the status of the safety program in each department. Used training, safety committee development and an ERTW program to improve OSHA compliance and risk minimization.

City of Duluth; Risk Manager/Loss Control Manager, 1982 - 1986

Directed safety and industrial hygiene programs for city administration, police, fire, public works and parks departments. Directed multi-jurisdictional emergency preparedness field exercises.

REGISTRATIONS:

- Board Certified Safety Professional in Comprehensive Practice, CSP#9994
- American Society of Safety Engineers, Professional Member, Region II Area Director
- 1997-1998, Board Member, President and Delegate of the Colorado Chapter, 1986-1996
- Authorized OSHA Instructor for Construction and General Industry Standards
- Red Rocks Community College OSH Program, Curriculum Advisory Board
- Safety Professional of the Year, Colorado Chapter of ASSE 2007-2008
- Safety Professional of the Year, ASSE Region II June, 2009

Statement of Qualifications

RESUME OF DANIEL (DJ) DAWSON, MS

EDUCATION: MS Environmental Science & Engineering, Colorado School of Mines; 2002
BS Environmental Science, University of Idaho; 1997

PROFESSIONAL EXPERIENCE: 18 years

EMPLOYMENT HISTORY:

Rule Engineering, LLC; Environmental Scientist, 2003 - Present

Responsible for management of client environmental databases using EQulS and Access. Write reports (e.g. annual reports, HASPs, work plans, etc.) on behalf of clients and generate figures and tables using programs such as of ArcView, Excel, Surfer, and AutoCAD. Supervise installation of monitoring wells and remediation systems for petroleum and chlorinated solvent hydrocarbons.

Fremont Environmental; Field Technician, 2002 - 2003

Supervised installation of soil vapor extraction (SVE) and air sparging systems (AS) and conducted system checks of them including general maintenance and collection of air samples. Also responsible for the installation and sampling of monitoring wells located along pipelines, storage facilities and gas stations.

Colorado School of Mines; Graduate Student, 1999 - 2002

Conducted research aimed at analyzing sub-micron sized soil colloids for their size and chemical composition by utilizing various sizing and chemical analysis techniques, such as FFF, SEM, PCS, SPOS, ICP-MS, and GFAAS. Conducted laboratory validation of data through multiple runs of samples and statistical determination of significance.

Los Alamos National Laboratory; Student Researcher, 1998 - 1999

Air Quality Division, 1999

Designed an automated program in Access and Excel using Visual Basic and SQL to automate radionuclide concentration analysis of the auto-sampler database into queried time intervals, contaminants, and auto-sampler stations. Upon selection of criteria, Access would export the data to Excel and graph the data.

Earth and Environmental Science Division, 1998

Created a multiple year database of surface runoff and erosion data on surficial plots that were undisturbed and disturbed. Used Access and Excel to export data from a database to Excel to analyze data. Inspected data for accuracy and completeness of entire data set. Fieldwork included vegetation and ground moisture analysis, flume calibrations, and post-event runoff and erosion data collection.

Nez Perce Tribe – Water Resource Div; Crew Chief, 1997

Managed a crew to survey streams for their potential beneficial uses in northern Idaho. This entailed measuring discharge, collection of macroinvertebrates, random sample pebble counts, electro-fishing, and classifying streams according to the Rosgen classification system.

ADDITIONAL SKILLS & TRAINING:

Colorado Listed Environmental Consultant, #6229
Safe Land Training (Oil & Gas Safety Training)
29 CFR 1910.120 HAZWOPER 40-hr training with current 8-hr refresher

Statement of Qualifications

RESUME OF KERRI CRAWFORD, PE

EDUCATION: BS, Chemical Engineering
North Carolina State University; 1977

PROFESSIONAL EXPERIENCE: 38 Years

EMPLOYMENT HISTORY:

Rule Engineering, LLC; Senior Engineer, 2007 - Present

Responsible for air permitting services. Prepare applications, emissions estimates, conduct dispersion modeling, compliance demonstrations, excess emissions reports and toxic release inventories. Preparation of emergency response plans (SPCC, FRP, ICP) and stormwater management plans. Resolve issues in refinery MACT, LDAR, QQQ and FF inventory, inspections and reporting. Evaluate processes for air or water permitting. Flow analysis, mapping and troubleshooting.

Doty & Associates; Senior Engineer, 2006

Contracted environmental engineer for Coors Brewing Company in Golden, Colorado while EHS group was being organized. Performed sampling, delivered samples for analysis and used appropriate references to document "safe for food contact" of "not safe for food contact" status for all substances entering facility. Reporting as required by client

Genisys Information Systems; Senior Consulting Engineer, 1999 - 2001

Lead process and environmental specialist for development of cost and schedule risk assessments for the demilitarization of chemical weapons.

Avanti, Inc; Project Manager-Oil and Gas, 1995 - 1996

Responsible for the design of national sampling program, sampling protocols and safeguards, overseeing all sampling, delivery to EPA labs for analysis, data management, documentation and analytical interpretation in support of proposed USEPA Coastal Oil & Gas production effluents. Assembled technical team, coordinated field effort and data collection from myriad sources. Co-wrote 800 pages Development Document and supporting technical documents.

Ogden Enviro. Energy Services; Senior Project Manager-Oil and Gas, 1982 - 1990

Reporting to the Vice President of Engineering, responsible for permitting, guidance including approved sampling techniques, engineering support and energy analyses for a wide variety of public and private sector clientele. All tasks included extensive technical writing.

Mobil Oil Corporation; 1979-1982

Engineer-Refinery Technical Services
Refinery Energy Conservation Engineer
Refinery Process Design Engineer

US Environmental Protection Agency; Environmental Engineer-Oil and Gas, 1977-1979

Responsible for database development for Emission Standards and Engineering Section, including Control Techniques Guidelines and standards of performance for new stationary sources in the chemical and petroleum industries, including oil and gas, refinery heaters, refinery waste disposal, fixed and floating roof storage tanks.

ADDITIONAL SKILLS & TRAINING:

Professional Licensed Chemical Engineer, 1984 to present
Colorado Listed Environmental Consultant, #6265
Safe Land Training (Oil & Gas Safety Training)
29 CFR 1910.120 HAZWOPER 40-hr training with current 8-hr refresher
DISA Drug & Alcohol Testing Program – Active Status

Statement of Qualifications

RESUME OF TRACY LOFTUS

EDUCATION: BS Earth Science, Emphasis in Environmental Studies,
University of Northern Colorado; 2004

PROFESSIONAL EXPERIENCE: 11 years

EMPLOYMENT HISTORY:

Rule Engineering; Environmental Scientist, 2008 - Present

Aids in management of UST assessment and remediation for clients and a number of projects for a large retail petroleum marketing company. Responsibilities include preparation of reports using OPS, SSF, SCR and CAP formats, conducting routine monitoring, O&M, and routine reporting. Additional responsibilities include regular operation and maintenance of soil vapor extraction (SVE), air sparging (AS) remediation systems and installation of monitoring wells. Conducts field work and corresponding reports for oil and gas and refinery clients.

Total Engineering, Inc.; Field Technician, 2005 - 2008

Completed on-site construction inspections on new construction sites in various locations throughout Colorado. Inspections completed include: Drainage Certifications, Footing and Foundation Inspections and Foundation Excavation Reviews. Responsibilities included dealing with clients/builders directly, conducting inspections on schedule; completing corresponding reports.

Colorado Mosquito Control; Field Technician, 2004

Monitored and treated mosquito breeding sites throughout northeastern Colorado and Denver Metro Area; mapped potential breeding sites: worked with ArcGIS to map sites graphically.

ADDITIONAL SKILLS AND TRAINING:

Colorado Listed Environmental Consultant, #6367
29 CFR 1910.120 HAZWOPER 40-hr training with current 8-hr refresher
Safe Land Training (Oil & Gas Safety Training)
AutoCAD
DISA Drug & Alcohol Testing Program – Active Status

Statement of Qualifications

RESUME OF BRADLEY WHITE

EDUCATION: BS & BA Environmental Science and Geography,
Emory & Henry College; 2006

PROFESSIONAL EXPERIENCE: 10 years

EMPLOYMENT HISTORY:

Rule Engineering; Environmental Scientist, 2008 - Present

Provide environmental expertise to support Rule's implementation of numerous environmental permit compliance and remediation projects.

Virginia Department of Environmental Quality; Air Compliance Inspector, 2007 - 2008

Scheduled and conducted inspections to determine compliance with emission limits, permit requirements and State and Federal laws and regulations. Responsible for all report review, compliance investigation and air compliance inspection duties for Hampton Roads area. Evaluated complex industrial processes, measurements, and records of multiple operating parameters from facilities, and documented all compliance determinations by preparing inspection reports that fully describe and support the compliance determination of the source. Identified and documented violations of the regulations and drafted the appropriate enforcement action in accordance with DEQ and EPA-HPV enforcement policies. Investigated complaints of alleged violations of air pollution laws and regulations. Researched complex State and Federal environmental regulations and made logical and defensible interpretations for determining compliance. Observed stack tests to ensure testing methods were carried out correctly.

EnVetCo; Engineering Technician I, 2006

Responsible for the operation and maintenance of four underground hydrocarbon remediation systems and all work related duties for five additional contaminated sites. Performed all weekly, quarterly, and annual gauging and sampling tasks for each site. Assisted with report writing and statistical calculations.

U.S. Forest Service; Stream Monitor, 2004 - 2006

Oversaw a team of two stream monitors. Coordinated efforts between Forest Service field biologists and his team of stream monitors. Assisted and trained stream monitors in macro-invertebrate and ripple stability index sampling.

IMS Environmental (HEPACO); Junior Professional / Environmental Technician, 2005

Carried out weekly monitoring duties and assisted with system work at numerous locations, including two superfund sites. Prepared monthly, quarterly, and annual reports to agencies such as the VDEQ and EPA. Aided in the cleanup of petroleum and chemical spills throughout Virginia, Maryland, and North Carolina. Extracted samples from soil, water, and air, and packaged them for shipment to the specified lab for analysis. Performed maintenance on company equipment and machinery. Performed some basic construction work such as underground pipe laying and masonry.

REGISTRATIONS:

Colorado Listed Environmental Consultant, #6268
29 CFR 1910.120 HAZWOPER 40-hr training with current 8-hr refresher
Safe Land Training (Oil & Gas Safety Training)
DISA Drug & Alcohol Testing Program – Active Status

Statement of Qualifications

RESUME OF ERIKA HILL

EDUCATION: BS Geology and Geological Engineering
Colorado School of Mines, 2014

PROFESSIONAL EXPERIENCE: 2 years

EMPLOYMENT HISTORY:

Rule Engineering; Staff Engineer, 2014 – Present

Aids in providing regulatory and environmental services for oil and gas and refinery clients. Responsibilities include groundwater monitoring, soil sample collection, installation of monitoring wells, and preparation of reports. Additional responsibilities include groundwater and soil contaminate modeling, meeting with regulators, creating figures in ArcGIS and AutoCAD, and preparing tables.

Northwest Colorado Consulting, Lab/Field Technician, Summer 2014

Conducted soils testing, construction materials testing, and structural engineering observations. Various soil, concrete, and asphalt laboratory tests were conducted to assess plasticity index, grain size distribution, moisture content, rice density, and unconfined compressive strength of materials. Responsibilities also included overseeing installation and testing of helical piers, communicating with contractors, collecting samples, and preparing corresponding reports.

United States Geological Survey; Field Assistant, Summer 2012

Assisted with mapping subsurface and surficial geology in Idaho. Responsibilities included obtaining rock samples for geochemical analysis, recording GPS coordinates, and measuring orientations of rock outcrops.

MWH Global; Intern, Summer/Winter 2010-2011

Became acquainted with the environmental services industry by compiling and editing technical reports, researching clean-up sites, preparing presentations for clients, and becoming familiar with the investigation process for ground and surface water contamination sites.

ADDITIONAL SKILLS AND TRAINING:

Colorado Engineering Intern (EI)
40 hour HAZWOPER
8-hour OSHA updates (current)
Safe Land Training (Oil & Gas Safety Training)
ConocoPhillips Supervisor Safety Leadership Training
DISA Drug and Alcohol Testing Program- Active Status

Statement of Qualifications

RESUME OF DEANNE SCHIELE

EDUCATION: BBA, Marketing
University of Wisconsin Milwaukee; 1998

PROFESSIONAL EXPERIENCE: 14 years in accounting for civil, structural and environmental engineering firms

EMPLOYMENT HISTORY:

Rule Engineering; Office Manager, 2010 - Present
Administrative Assistant, 2008 – 2010

Assist in the budget control and analysis, invoicing and application for payment related to underground storage tank fund work in the State of Colorado. Additional responsibilities include office administration and report production.

Leonard Leonard & Associates; Bookkeeper, 2008

Maintained and kept records for personal, corporate, income properties, and escrow accounts using QuickBooks. Filed and paid monthly and quarterly payroll taxes. Reconciled bank statements for 8 separate accounts.

The Weintraub Organization; AR / Collection Department Manager, 2004 - 2007

Responsible for entire collection process, including submittal of monthly statements, daily phone calls to outstanding accounts, resolving disputed invoices, and posting client payments. Submittal of lien waivers, lien releases, and purchase orders as necessary. Assisted Executive Vice President, CFO, and Project Managers with research, creating reports, and developing systems and spreadsheets as needed.

The Weintraub Organization; Executive Assistant to President, 2004

Handled communications for President, to include scheduling meetings and seminars, and contacting clients and prominent department heads on regular basis. Kept and maintained accurate records for President and Corporate Professional Engineering licenses.

The Weintraub Organization; Accounts Payable Coordinator, 2002 - 2004

Responsible for entire accounts payable process, from obtaining approval to cutting checks. Kept and maintained all AP files, along with fixed-asset and depreciation schedules, and 1099-contractor records.

DEI Professional Services, LLC; Accounts Payable Coordinator, 2001 - 2002

Responsible for entire accounts payable process for 3 companies. Maintained fixed-asset, depreciation, and Capital and Operating Lease schedules. Prepare and file Sales and Use Tax.

Statement of Qualifications

RESUME OF GEORGE WOLFF III

EDUCATION: BA, Behavioral Science with Psychology emphasis, minor in Management & Marketing, Metropolitan State College of Denver; 2002
Emergency Medical Technician, Red Rocks Community College; 2010
Certified Safety Trained Supervisor (STS); 2012

PROFESSIONAL EXPERIENCE: 10 years

EMPLOYMENT HISTORY:

Rule Engineering, LLC; 2005 - Present

Field Technician: Independently collect data and samples including IH personal air monitoring and respirator fit testing.

CDOT Training Academy Safety Instructor (2005 – 2007): Provide safety training and competency testing for CDOT maintenance personnel for CCA Traffic Control Supervisor (TCS) certificates.

On-site Safety & Environmental Consultant (Kinko's project 2011): Potholing and drilling project for environmental assessment in a highly congested location with foot traffic and vehicular access points. *NREL 2011* on-site construction roofing safety monitor.

Colorado Junior Eagles Youth Hockey Association; Director of Hockey, 2007 - 2009

Hire and mentor coaches, resolve parental concerns, assist with sponsorship programs and scheduling.

Foothills Ice Arena; Director of Learn to Skate Program, 2004 - Present

Hire and train coaches, assign them to classes according to ability and ratio, register skaters and distribute class material.

George Wolff's Power Skating; Owner / Instructor, 1997 - Present

Private Skating Instructor: successfully manage scheduling with clients and budget ice time. Male and female clients range in age from 3 to 55.

Summer Camp: developed the concept and business plan. Continuous improvements in camp format have been implemented throughout the 14-year history.

ADDITIONAL SKILLS & TRAINING:

29 CFR 1910.120 HAZWOPER 40-hr training with current 8-hr refresher

Safe Land Training (Oil & Gas Safety Training)

Authorized OSHA Outreach Trainer Construction Standards

Level 4 Coach, USA Hockey Coaching Education Program

Captain, Metro State Hockey Team, 2000 – 2002

Head Coach, Foothills Hockey Association

Statement of Qualifications

RESUME OF BLAIR K. ROLLINS Grand Junction Operations

EDUCATION: BS, Environmental Restoration and Hazardous Waste Management
Mesa State College; 2006

PROFESSIONAL EXPERIENCE: 10 Years

EMPLOYMENT HISTORY:

Rule Engineering, LLC; Project Manager, 2016 - Present

Mr. Rollins is responsible for providing project oversight and management for multiple clients in Western Colorado. His responsibilities include oversight support for Division of Oil and Public Safety (OPS) site assessments, routine monitoring, operation and maintenance, and reporting using various OPS formats. Mr. Rollins conducts various environmental compliance activities including sampling and characterization, and remediation of contaminated sites in compliance with various state and federal regulations.

Occidental Oil and Gas; HES Specialist, 2015 - 2016

Provided Health, Environment, and Safety support to Piceance Basin Operator. Mr. Rollins managed all phases of spill response, cleanup, and closure activities for active and historic spills. Mr. Rollins ensured compliance with COGCC rules for spills and releases, along with COGCC permitting support for centralized exploration and production waste management facilities.

Olsson Associates; Environmental Scientist, 2013 – 2015

Responsibilities included conducting all phases of environmental and permitting associated with two oil and gas operators' projects in Western Colorado. Mr. Rollins conducted all project phases including proposal preparation, cost estimating, bidding, project development and implementation, project tracking, and closure. Mr. Rollins managed a staff of up to two field technicians to support project completion.

Walsh Environmental Scientist & Engineers LLC; Field Technician II, 2009 – 2013

Mr. Rollins was responsible for conducting all phases of environmental and permitting associated with energy development projects in Colorado, Wyoming, and North Dakota. Mr. Rollins conducted all project management phases with the support of up to four field technicians. Mr. Rollins managed all GIS map preparation for one Basin oil and gas operator.

Occidental Oil and Gas; Regulatory Analyst, 2008 - 2009

Responsibilities included providing regulatory support for various projects to obtain permit approval through local, state, and federal agencies in both Colorado and Utah. Mr. Rollins also managed the GIS and GPS databases for the Piceance Basin operation.

Walsh Environmental Scientist & Engineers LLC; Field Technician II, 2006 – 2008

Responsibilities included sampling, stakeholder notification, and report preparation for site assessments and spill response activities in Western Colorado.

ADDITIONAL SKILLS & TRAINING:

HAZWOPER 40-hour with current 8-hr refresher
Safe Land Training (Oil & Gas Safety Training)
DISA Drug & Alcohol Testing Program – Active Status

Statement of Qualifications

RESUME OF HEATHER WOODS, PG

EDUCATION: BS Geology
University of New Mexico, graduated Magna Cum Laude; 2005

PROFESSIONAL EXPERIENCE: 10 Years

EMPLOYMENT HISTORY:

Rule Engineering, LLC; Area Manager/Geologist, 2015 - Present

Responsible for area operations of Rule Engineering's Farmington, New Mexico office. Technical expertise includes site investigations, monitoring and remediation of petroleum impacted sites (water/soil), and environmental permitting. Competent in federal and numerous state environmental regulations, including CWA, NPDES, CERCLA, RCRA, and EPCRA. Experience providing environmental services for oil and gas, construction, municipal, and private industry.

Apex TITAN, Inc; Senior Project Manager, 1994 - 1997

Provide senior project management services for groundwater remediation projects and release response. Develop and implement technical work plans; prepare reports, cost estimates, proposals and external correspondence; facilitate communications with diverse stakeholder groups; supervise subcontractor site work; and train staff.

Animas Environmental Services, LLC; Geologist / Project Manager, 2012 - 2014

Responsibilities included daily scheduling and operation within the local office, preparation and management of on-site soil and groundwater sampling and analysis for oil and gas project sites, leaking underground storage tank cleanups, categorical exclusions, environmental assessments, environmental information documents, below grade tank closures, release assessments, site investigations, spill reporting, and site remediation.

Terracon Consultants, Inc; Geologist, 2006 - 2012

Responsibilities included on-site soil and groundwater sampling and analysis for geotechnical and environmental projects. Typical projects included leaking underground storage tank cleanups, categorical exclusions, environmental assessments, environmental information documents, soil sampling and analysis, groundwater sampling and monitoring, below grade tank closures, release assessments, site investigations, spill reporting, and site remediation, stability and seepage analysis.

ADDITIONAL SKILLS & TRAINING:

Professional Geologist (UT)
ConocoPhillips Safety Leadership for Supervisors
H2S Training
29 CFR 1910.120 HAZWOPER 40-hr training with current 8-hr refresher

Statement of Qualifications

RESUME OF Justin R Valdez

EDUCATION: BS Geology, Fort Lewis College; 2015

PROFESSIONAL EXPERIENCE: 1 Year

EMPLOYMENT HISTORY:

Rule Engineering, LLC; Staff Geologist, 2015 - Present

Assists in providing regulatory and environmental services for the Four Corners Oil and Gas industry. Primary responsibilities include, soil sample collection, preparation of reports, site investigation/spill delineation, and compliance activities associated with various state and federal regulations. Additional responsibilities include data management, table generation, and figure creation using Excel, Surfer, and ArcGIS.

Oregon Caves National Monument and Preserve; Interpretation, Summer 2015

Researched, gathered, and presented geological information to diverse groups of 15 individuals in a unique, geologically themed tour through marble caves. Achieved familiarity with safety protocols for tours in well-established cave systems and off trail cave tours. Developed well-rounded public speaking skills and interpersonal communications skills.

Bureau of Land Management; Pathways Program Student, 2010 – 2015

Worked with GIS team consisting of 5 individuals to digitize and create unique shapefiles for 15,000+ right of ways in San Juan County using coordinate geometry and satellite imagery in ArcGIS. Additional responsibilities included extensive hiking and driving in San Juan County to map noxious weeds with the use of a Trimble Juno GPS device.

ADDITIONAL SKILLS & TRAINING:

ConocoPhillips Safety Training
Stormwater Management & Erosion Control Training
H2S Training
40 hour HAZWOPER
8-hour OSHA updates (current)
DISA Drug and Alcohol Testing Program- Active

Statement of Qualifications

RESUME OF HOLLI MERCHANT, CIH, CSP

EDUCATION:

MA, Environmental Policy and Management, Health and Safety
Emphasis, University of Denver, Denver 2003

MBA, Business Administration, Colorado State University, Fort Collins,
1996

B.S., Environmental, Populational and Organismic Biology, University of
Colorado, Boulder, 1990

PROFESSIONAL EXPERIENCE:

24 Years

EMPLOYMENT HISTORY:

EHS Documents, Inc. Vice President and Principal Industrial Hygienist, 2002 – Present

Founder and Principal Industrial Hygienist for this full service environmental, health and safety consulting firm. Responsible for business direction, review of all technical projects, conducting health and safety projects for clients and acting as health and safety officer for the corporation.

Mactec Engineering and Consulting (Formerly Harding Lawson), Health and Safety Group Manager and National Construction Division Safety Manager 1998-2004

Overall responsibilities as Health and Safety Group Manager include managing a group of technical professionals performing comprehensive health and safety services for a variety of clients including General Electric, Avaya Inc., Compaq Computer Corporation, Sanmina-SCI Corporation, Pepsi-Cola, Agilent Technologies, and United Technologies Corporation.

Hospital Shared Services, Industrial Hygiene Manager, 1997 - 1998

Responsible for the management of a team of industrial hygiene/environmental compliance consultants providing services to over forty Colorado hospitals and Denver industrial clients. Also operated as the Safety and Environmental Compliance Officer for this 180-person corporation.

Rust Geotech Inc., Industrial Hygiene Specialist, 1992 - 1996

Responsibility for field industrial hygiene activities for on a two large-scale radioactive remediation project located in Monticello, Utah and Grand Junction, Colorado.

MK Ferguson, Industrial Hygiene Technician, 1991 - 1992

Responsible for performing health and safety technician duties on two uranium mill tailings remedial action sites located in Grand Junction, Colorado and Rifle, Colorado.

REGISTRATIONS:

- Board Certified Industrial Hygienist, 1996 7551 CP
- Board Certified Safety Professional in Comprehensive Practice, 2004 CSP#18248
- Professional Member, American Society of Safety Engineers, Past President, Current Delegate
- American Industrial Hygiene Association Member
- Safety Professional of the Year, Colorado Chapter of ASSE 2011-2012