

## Experience

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|-------------------------------------|--|------------------------------------|-------------------|
| Employer: ABC Environmental, Inc.   |  | Location: 10 Main St., Pioche, NV  |                   |
| Length: From 09/1997 to 10/2006     |  | Hours per Week: 40                 | Total Months: 109 |
| Your Title: Environmental Scientist |  | Supervisor: Winnie Piela           |                   |
|                                     |  | % of Time<br>(must add to<br>100%) |                   |
| (1) RCRA Wastes                     | <p>Perform hazardous waste characterization analysis of soil and groundwater in accordance with RCRA rules as outlined in 40 CFR Parts 260-280 to determine the proper disposal method. Submitted samples for analysis of Toxicity Characteristic Leachate Procedure (TCLP) analytical method, ignitability, reactivity, and corrosivity pursuant to SW-846, "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods." Determined if wastes were listed. Labeled drums and segregated waste depending upon compatibilities. Completed waste profile forms for disposal approval and completed hazardous and non-hazardous waste manifests and bills of lading. Performed closure and remediation of regulated underground storage tank sites pursuant to RCRA-mandated regulations implemented by the State of Nevada.</p>   | 5%                                 |                   |
| (2) Site Investigation              | <p>Performed Phase I Environmental Site Assessments (ESAs) and Transaction Screens of various industrial and commercial properties in Nevada in accordance with ASTM Standard E 1527 and E 1528. Properties included former chemical processing plants, industrial manufacturing facilities, scrap yards, gas stations, automotive repair shops, electroplating facilities, commercial redevelopment projects, high-rise apartment complexes, and vacant land. Performed historical research by evaluating Sanborn Fire Insurance maps and historic plat maps, historic aerial photography, historic fire and building department inspection records and permits, county auditors and recorders deeds, liens, leases, and property records, and county archives records. Reviewed various maps depicting topography, geology, oil/gas wells, and water resources. Performed magnetic surveys to locate underground storage tanks (USTs). Developed statistically defensible sample plans and designs in order to adequately characterize contaminant plumes. Oversaw excavation of USTs and contaminated soils. Compared analytical results to standards established by the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), the Clean Water Act (CWA), Toxic Substances Control Act (TSCA), the Safe Drinking Water Act (SDWA), Occupational Safety and Health Administration (OSHA), or other recognized standards. Performed Tier I and Tier II fate and transport analysis by determining the horizontal and vertical extent of chemicals of concern (COC) in soil and groundwater, characterizing the nature of COC (health effects and physical properties), establishing exposure points, evaluating transport media and potential receptors, and establishing site-specific target levels in accordance with ASTM Risk-Based Corrective Action guidance.</p> | 35%                                |                   |

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| Your Title: Environmental Scientist |   | Supervisor: Winnie Piela          | Your Title: Environmental Scientist |
| (3) Sampling                        | Completed soil and groundwater sampling and analysis pursuant to EPA solid waste protocols as outlined in SW-846, "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods." Groundwater monitoring was performed in accordance with the EPA 1992 guidance document entitled "RCRA Groundwater Monitoring: Draft Technical Guidance". Utilized drilling equipment, samplers, bailers, metals filters, groundwater level meters, photoionization detectors, submersible pumps, air monitoring pumps, magnetic detectors, and other equipment necessary to collect samples and perform field measurements. Performed decontamination of augers, split spoons, and sampling equipment prior to and between each boring. Utilized appropriate containers and preservation methods to prevent loss of contaminant mass through volatilization or biodegradation. Collected quality control samples, including duplicates, field and trip blanks, in order to meet quality assurance objectives. Completed air sampling for toxic substances and asbestos fibers. Collected bulk and wipe samples of polychlorinated biphenyls (PCBs) in accordance with TSCA requirements. Utilized Summa canisters to collect ambient air samples for the evaluation of the vapor intrusion pathway of volatile organic compounds. Prepared chain-of-custody documentation for all sample collection events. | 25%                               |                                     |
| (4) Release Response                | Responded to releases of petroleum products, mercury, PCBs, and chemical fires. Prepared Site Specific Health and Safety Plans in accordance with the Occupational Safety and Health Administration requirements in order to establish safe site entry and site control procedures. Determined the appropriate personal protective equipment necessary to protect workers during release responses, including but not limited to, Tyvek suits, gloves, respirators, and boots. Reported releases of petroleum products that exceeded 25 gallons within 24 hours to the State of Nevada. Reported releases of hazardous substances above threshold quantities within 24 hours to the National Response Center.   | 10%                               |                                     |

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| Your Title: Environmental Scientist |   | Supervisor: Winnie Piela          | Your Title: Environmental Scientist |
| (5) Release Clean Up                | <p>Provided release cleanup services for numerous petroleum UST release sites. Coordinated mobilization of tanker trucks, excavation contractors and rolloff containers for removal and collection of petroleum-contaminated waste. Provided waste characterization, profiling and scheduling services for the offsite disposal of waste at licensed solid waste disposal facilities. Provided contract emergency services at a major school district. Responded to mercury releases at schools and utilized a Jerome mercury vapor analyzer to determine the extent of such releases. Provided emergency response services necessary to remediate a mercury release in the sub-basement of a major hotel. Provided post-fire debris cleanup consulting services at a facility in which water-reactive scrap metals exploded and ignited. Developed site access and control procedures in coordination with the owner, the local fire department, and the NDEP. Coordinated cleanup activities which included pumping of fire water into tanker trucks, segregating fire debris from remaining scrap metals, offsite disposal or transport of materials to another scrap facility. Performed waste characterization and confirmatory sampling to determine the appropriate waste disposal methods and effectiveness of remediation. Prepared interim and final reports to document progress and completion of response actions.</p> |                                   | 10%                                 |
| (6) Remediation                     | <p>Developed remedial action plans for various sites for submittal to the State Fire Marshal or the NDEP/EPA for approval or for clients requesting remedial activities. Performed excavation, landfarming, and soil vapor extraction remediation projects for petroleum releases. Performed remediation of mercury spills using Nilfisk® mercury vacuum cleaner, dilute nitric acid solution, and HgX® solution. Documented all remedial activities in technical written reports, which included discussions of the results of confirmatory sampling activities and the effectiveness of remediation activities.</p>   |                                   | 15%                                 |

## Experience

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|---------------------------------|---|--|------------------------------|
| Employer: XYZ Engineering, Inc. |   | Location: 82 N. Nevada Rd., Ste. B, Elko, NV |                              |
| Length: From 10/2006 to present |   | Hours per Week: 40                           | Total Months: 6              |
| Your Title: Sr. Project Manager |   | Supervisor: Dottie Podgrobisky               | % of Time (must add to 100%) |
| (1) RCRA Wastes                 | Perform hazardous waste characterization of soil and groundwater in accordance with RCRA rules as outlined in 40 CFR Part 260-280 to determine the proper disposal method. Waste characterization analysis is performed pursuant to EPA solid waste protocols as outlined in SW-846, "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," for determining hazardous constituents in wastes and determining the hazardous characteristics of wastes (toxicity, ignitability, reactivity, and corrosivity). Experience includes proper labeling of drums and arrangements for disposal of purge water associated with groundwater monitoring.  | 5%   |                              |
| (2) Site Investigation          | Perform Phase I Environmental Site Assessments (ESAs) of various commercial properties in the Las Vegas valley in accordance with ASTM Standard E 1527-05, "Standard Practice for Phase I Environmental Site Assessments: Phase I Environmental Site Assessment Process" and the EPA "Standards and Practices for All Appropriate Inquiries" (40 CFR Part 312) in order to identify potential recognized environmental conditions (REC). Perform Phase II Environmental Site Assessment investigations by collection of samples of soil, groundwater or building materials to quantify concentrations of various contaminants. Perform Phase III Environmental Site Assessments by remediation of contaminants in soil, groundwater, surface water, or building materials with comparisons to published standards or evaluation of the relative risk to human health or the environment. Develop site conceptual models and assess alternative cleanup methods and costs. | 30%  |                              |
| (3) Sampling                    | Complete soil and groundwater sampling and analysis pursuant to EPA solid waste protocols as outlined in SW-846, "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods." Groundwater monitoring is performed in accordance with the EPA 1992 guidance document entitled "RCRA Groundwater Monitoring: Draft Technical Guidance". Perform semi-annual groundwater monitoring at a shopping center formerly occupied by a drycleaning facility at which perchloroethylene was released to the subsurface. Groundwater elevations are obtained using a Solnist water level meter and groundwater samples are collected using PVC bailers. Samples are collected in 40 milliliter VOA vials, placed on ice to maintain sample integrity, and submitted to a Nevada certified laboratory for analysis of volatile organic compounds pursuant to EPA SW-846 Method 8260B.   | 10%  |                              |

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| Your Title: Sr. Project Manager |  | Supervisor: Dottie Podgrobisky               | % of Time (must add to 100%) |
| (4) Release Response            | Responsible for preparation of site remediation reports documenting oversight of release response projects. Reports are prepared in accordance with the regulatory requirements of the Nevada Division of Environment in preparation for request for site closures.  | 5%   |                              |
| (5) Release Clean Up            | Clean up technologies for an operating ski resort are currently being evaluated in terms of risk-based clean closure or comparisons of concentrations of contaminants in soil and groundwater to published values such as the EPA Region IX Preliminary Remediation Goals. Conditions at the site include discharge of regulated waste into dry wells from floor drains or oil/water separators associated with maintenance and compressor buildings and suspected releases of petroleum contaminants into the subsurface environment from various tank systems (aboveground and underground) either by spills or failed integrity.  | 5%   |                              |
| (6) Remediation                 | Experience includes evaluation of laboratory analytical data and report preparation pertaining to remediation of soil and groundwater at two former vehicle fueling facilities. The remedial methods consisted of excavation of petroleum-impacted soils, overpurguing and disposal of groundwater, and placement of Oxygen Release Compound (ORC <sup>®</sup> ) amended pea gravel in the uppermost water-bearing zones of the excavations prior to backfilling. Corrective Action Reports were prepared in accordance with the requirements of the Nevada Division of Environmental Protection (NDEP). Evaluate residual petroleum concentrations in groundwater and geochemical parameters in respect to the EPA guidance document entitled "Use of Monitored Natural Attenuation at Superfund, RCRA Corrective Action, and Underground Storage Tank Sites" to demonstrate that conditions conducive to naturally attenuation are occurring. Prepare Nevada Petroleum Fund Reimbursement submittals in accordance with the Nevada Division of Environment requirements. | 45%  |                              |