
Robert N. Thompson

OGI Environmental LLC, Principal

Professional Experience:

Mr. Thompson has over 17 years of experience in the environmental field as both a project manager and group leader. He has also served as the Director of Environmental Services for a small engineering firm in Las Vegas with responsibilities that included staff management, business development and overall operations of office. Mr. Thompson has provided project management and staff support on a variety of environmental projects including surface and subsurface contamination investigations (including Montana State Superfund site), design and implementation of corrective actions for underground storage tank releases, Phase I environmental site assessments, soil and ground water remedial feasibility studies, hydrogeologic investigations, wellhead protection plans, regulatory compliance, indoor air quality studies, lead-based paint surveys, ground water and air discharge permitting, storm water permitting and compliance sampling and solid waste projects. He has also been involved in well design and installation, field evaluation of aquifer characteristics, remedial design, construction and long-term operation and maintenance of remedial systems. Mr. Thompson has been involved with several types of remedial technologies including: soil vapor extraction, air sparging, pump and treat, dual phase (high vac) extraction, Oxygen Release Compounds, natural attenuation and risk-based closure for hydrocarbon impacted soil.

Over the past 5 years, Mr. Thompson has served as program director for major oil company contracts and State of Nevada contracts with overall responsibilities for scheduling, costs, scope and regulatory liaison, technical oversight and general project manager of multiple project sites. Total project values exceeded \$2 million.

Project Experience:

Due Diligence

Phase I ESA, Multiple Clients - Nation-Wide. *Project Manager.* Project manager for numerous Phase I Environmental Site Assessments at various locations throughout the nation. Responsible for all phases of work beginning with client coordination through completion of report. All work was conducted in accordance with ASTM Standard E1527.

Phase I ESA, Multiple Clients – Western U.S. *Senior Technical Support.* Provided technical support and report review for numerous Phase I ESAs completed in Western U.S.

Prudential Capital Mortgage Company – California. *Field Support.* Conducted site visit for property condition assessment at an apartment complex located in California.

Surface and Subsurface Investigations

Sloan Rock Quarry, Chemical Line Company - Nevada. *Project Manager.* Managed contamination assessment of an oil spill at a limestone mine in southern Nevada. Responsibilities included: work scope development and budgeting, field coordination and supervision, regulatory liaison and report preparation. Scope of work included drilling several borings, excavating several test pits, soil logging and sampling and

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surface water assessment (drainage study). Results of study provided enough information for State to issue no further action.

Stauffer, Confidential Client – Nevada. *Task Manager.* Provided field and technical support for contamination assessment, hydrogeologic study and remedial feasibility study for multiple contaminants released at a chemical manufacturing site. Responsible for all field coordination and report preparation. Field activities included: surface and subsurface soil sampling, ground water monitoring, well installation and sampling, and hazardous waste disposal. Other activities performed included: research on site history, coordination of surveying for development of site base map, work plan preparation and budgeting.

Tank Farm Hill, RP Group - Montana. *Technical and Field Support.* Provided field and technical support for contamination assessment and hydrogeologic study for an oil release at an above ground storage tank farm. Site is under the State of Montana Superfund program. Responsible for assisting project manager with multiple field tasks. Field activities included: drilling oversight and soil and fractured bedrock logging, collection of soil samples, ground water monitoring well installation, and ground water sampling. Additional activities included: assisted in preparation of contamination assessment report, developed geologic cross-sections, and prepared boring logs.

Environmental Consulting Services Contract, State of Nevada Department of Transportation - Nevada. *Project Manager.* Project manager providing state-wide comprehensive environmental consulting services including ground water quality, assessment and hazardous waste services related to maintenance yards, right-of-way acquisitions, and borrow pits.

Emergency Mitigation and Remediation Contract, State of Nevada Division of Environmental Protection. *Project Manager.* Project manager providing state-wide comprehensive environmental consulting services including ground water quality, air quality, assessment and emergency response services related to environmental impacts from spills and releases that are not UST related.

Underground Storage Tanks (USTs)

Multiple Sites, Flying J Inc. - Nation-Wide. *Program and Project Manager.* Program manager for national contract with Flying J. Responsible for coordinating and delegating all projects awarded. Responsible for technical reviews, financial oversight and supervising various project managers working on Flying J projects. Also, project manager for numerous projects associated with acquisition of properties throughout the United States for development of truck stuck plazas. Responsible for all aspects of environmental due diligence including Phase I and II assessments and remedial cost estimating. Responsibilities included: project team development, scoping and budgeting, client interaction, regulatory liaison, technical oversight, and general project management of several large-scale projects. The types of projects ranged from site assessment to remediation design and implementation, to long term ground monitoring. Project locations have included Texas, Virginia, New Jersey, Arkansas, Missouri, and Utah.

LUST, Various Sites, State of Nevada Division of Environmental Protection – Nevada. *Program and Project Manager.* Southern Region project manager (1994-1998) for investigation of soil, ground water, and surface water impacted by leaking underground storage tanks. Responsibilities included general project management for multiple sites, field coordination, scoping and budgeting, field sampling, report preparation, public interaction and client interaction. Project types generally included historical research and phase II investigation with some remedial technical support.

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Station #7313, UNOCAL – Nevada. *Project Manager.* Project manager for clean up of hydrocarbon plume that has migrated beneath a public school. Responsible for work scope development and budgeting, construction management during installation of remediation system, field coordination and oversight, preparation of NPDES permit application, regulatory liaison, client interaction and reporting. Project work scope included: drilling and well installation, soil and ground water sampling, pilot testing for ground water pump and treat and soil vapor extraction technologies, permitting, remediation system design and installation, long-term operation and maintenance, and permit compliance testing and reporting (including air and NPDES). This project has been recognized as one of the largest gasoline station clean-ups in southern Nevada.

Flamingo Wash Study, State of Nevada Division of Environmental Protection – Nevada. *Project Manager.* Project manager for large-scale study to evaluate potential hydrocarbon impacts to surface and ground water from leaking underground storage tanks along a 10-mile segment of Flamingo Wash. Responsible for all aspects of project management including: scoping and budgeting, field coordination and oversight, client interaction and reporting. Project activities included: development of sampling plan for ground water sampling and passive soil vapor sampling, development of GIS database system for sample location and analytical data, evaluation of State RUST/LUST databases, ground water and soil vapor sampling, data tabulation, and report preparation. Document serves as a reference for state personnel involved in projects in the vicinity of Flamingo Wash.

University Medical Center – Nevada. *Project Manager.* Project manager for UST system upgrades. Responsible for work scope development and budgeting, construction oversight, environmental sampling and reporting. Scope of work included removal of two UST's in-place abandonment of one UST, and installation of three new AST's.

Overton Beach Marina, National Park Service – Nevada. *Project Manager.* Project manager for large scale clean up of hydrocarbon release that occurred from a product line supplying fuel to a boat dock. Responsibilities included general project management, budgeting, field coordination, public interaction, regulatory liaison, client interaction and reporting. The challenges were to prove emergency response services to investigate the release and design and implement a remediation system to prevent gasoline product from impacting surface water (lake). Field activities included: soil vapor study to identify release point, subsurface investigation to evaluate extent of impacts, construction and installation of air sparge and soil vapor extraction system, and long term operation/maintenance and ground water monitoring. As a result of our efforts, the marina was re-opened the same day it was closed, and the impacts never reached the lake.

Four Way Truck Stop, Wells – Nevada. *Project Manager.* Project manager for large scale assessment and remediation of gasoline and diesel release that occurred at a truck stop in Wells, Nevada. Performed detailed site characterization that included well installation, soil and ground water sampling and reporting. Also responsible for design of remediation system. Prepared a Remedial Action Plan that was submitted to the NDEP and approved. Performed pilot testing for air sparge/soil vapor extraction and dual phase high vacuum extraction. Project is ongoing with design phase and remediation system installation still to follow. Responsible for all aspects of project, including scoping, budgeting, regulatory meetings/interaction, task management, proposal preparation and document preparation and technical oversight.

Brownfields

Wonderworld, City of Las Vegas – Nevada. *Project Manager.* Project manager for a brownfields funded Phase I and II Environmental Assessment of a former shopping mall located in Las Vegas, Nevada. Responsible for all aspects of project including: scoping and budgeting, client and regulator liaison, field

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coordination/management, and report preparation. This project was conducted on an expedited time frame while property was in escrow. The following scope of work was completed within an one month time frame: phase I Environmental Site Assessment that included detailed historical research, drilling/installation of monitoring wells, soil and ground water sampling, laboratory data validation, asbestos survey, preparation of two separate reports (Phase I and II), development of estimated clean-up costs for hydrocarbon impacted ground water and asbestos abatement. Results of this project identified a number of recognized environmental conditions resulting in a significant savings to the client in the purchase of this property.

Boyd Gaming Site, City of Las Vegas – Nevada. *Project Manager.* Project manager for a brownfields funded geophysical survey of a hotel parking lot formerly occupied by two service stations. The purpose of the survey was to evaluate for evidence of UST system components. Responsible for field coordination, field supervision including oversight of geophysical survey (EM, MAG, GPR studies), report review and client liaison. Study revealed no evidence of USTs on site.

Geology and Hydrogeology

Shallow Ground Water Study, Southern Nevada Water Authority – Nevada. *Project Manager.* Project manager for hydrogeologic study to evaluate the potential for utilizing the shallow non-potable aquifer system in the Las Vegas Valley as a natural resource. Responsible for all phases of project management including scoping and budgeting, field coordination, geologic technical support, client interaction and report preparation. Project activities included: site evaluation to establish the most suitable location for a pilot study, regulatory database evaluation, permitting, development of site topographic map, drilling and well installation soil logging, pump testing, data interpretation/tabulation, and report preparation. Information obtained from study provided valuable information and was a source for future pilot studies conducted by the southern Nevada Water Authority.

Hydrogeologic Study, Instone Founders, Inc. – Utah. *Project Manager.* Project manager and geologist for hydrogeologic investigation to evaluate potential impacts of two proposed production wells on nearby BLM wells, Responsible for all phases of project including budgeting, field investigation, data interpretation and report preparation. Project activities included: site reconnaissance, research of available geologic data, ground water modeling based on published parameters, and preparation of a hydrogeologic report. Study revealed that there would be potential impacts to BLM wells and that relocation of the wells was necessary.

Midway City Drinking Water Source Protection Plan - Midway City, Utah. *Project Manager.* Project manager for preparation of drinking water source protection plans for three springs in the Midway City area. Responsible for all phases of project including budgeting, field investigation, research and report preparation. Work scope included: field reconnaissance to evaluate potential contaminant sources, evaluation of spring capture zone, research of geologic data for the area, development of emergency mitigation plans for impacts to drinking water sources, development of management plan for existing and future potential contaminate sources, and preparation of drinking water source protection plan in accordance with State of Utah requirements. Plans for each spring were submitted and approved by the State of Utah Division of Drinking Water.

Flying J Travel Plaza – Kentucky. *Project Manager.* Project manager for karsts topography evaluation at a truck stop facility located in Kentucky. Facility had experienced several small sinkholes. Our responsibility was to evaluate the potential for additional sinkholes and property damage and to evaluate potential mitigation options. The evaluation included drilling of 40 to 50 borings using a percussion hammer rig. Boring locations were placed on a grid system. Data collected was related to soil classification, drilling conditions,

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depth to ground water and depth to bedrock (limestone). Responsible for all aspects of project including scoping, budgeting, drilling oversight, data collection and interpretation, and report preparation.

Miscellaneous Environmental

ATC Vancom – Nevada. *Project Manager.* Project manager for storm water permit compliance sampling for bus yard in North Las Vegas. Responsible for coordination of field sampling activities and preparation of semi-annual reports. Work scope included: discrete and composite sampling of three outfalls, data interpretation, compliance review, preparation of semi-annual reports in accordance with permit requirements.

Lake Mead Landfills, National Park Service – Nevada. *Project Manager.* Project manager for large RCRA driven Preliminary Site Assessment. Involved inspection of 12 solid waste landfills located in the Lake Mead National Recreation Area. Purpose was to evaluate condition of landfill, characterize waste if possible, evaluate condition of covers and provide recommendations for regulatory compliance issues. Responsible for all aspects of project including: budgeting, field inspections, client interaction and report preparation. Work scope included: site inspections, research on site history, interviews with persons familiar with sites, regulatory research, and preparation of report of findings with recommendations.

Litigation Support, UNOCAL – Nevada. Served as witness for client in a third party lawsuit involving a service station in the Las Vegas area. Resulted in a \$1 million settlement on behalf of UNOCAL.

Indoor Air Quality Study, Confidential Client – Nevada. *Project Manager.* Project manager for a “sick building syndrome” investigation conducted at a facility in Las Vegas. Responsible for general project management, client interaction, field coordination and assisting CIH with field investigation and report preparation. Work scope included: data gathering for facility specific information, employee questionnaire development and interpretation, facility inspection, air sampling, data interpretation, and report preparation. As a result of study, was able to provide client with information on potential causes of illnesses experienced by workers, and provide recommendations for potential corrective actions.

Pioneer Chemical Plant, Pioneer Chlor Alkali – Nevada. *Project Manager.* Project manager for large-scale survey of painted surfaces to evaluate for the presence of lead-based paint. Responsible for project management, client interaction, field coordination, and review of final document. Work scope included conducting a field survey using and XRF, tabulating data and preparing a report of findings. Survey resulted in the discovery of several surfaces with lead-based paint. Information was used for worker precautions in areas that were impacted.

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Education:

B.S., Geology, University of Nevada Las Vegas, 1987

Registration

Utah Professional Geologist, 2004, #5554581-2250

Nevada Certified Environmental Manager, Nevada, 1995, #1246

Training:

Occupational Safety and Health Administration (OSHA) and US Environmental Protection Agency (EPA)
40-hour Safety Training, 1992

OSHA Annual 8-hour Safety Training, 2004

OSHA Supervisory Hazardous Substance/Waste Health and Safety Training, 1992

Lead-Based Inspector Training, 2000

Professional History:

2005 – Present, Principal, OGI Environmental LLC, Las Vegas, Nevada

2003 – 2005, Supervising Geologist, Brown and Caldwell, Las Vegas, Nevada

1999 – 2003, Senior Geologist, Pentacore Resources, Las Vegas, Nevada

1991 – 1999, Staff Scientist to Senior Project Manager, Harding Lawson Associates, Las Vegas, Nevada

1988 – 1991, Staff Scientist, Western Technologies, Inc., Las Vegas, Nevada