

Heather Boyd
Consultant

Ms. Boyd is an environmental management professional with more than ten years of experience in the oil and gas industry and as a consultant to a broad range of social, health, safety and environmental concerns related to developments and asset transactions. Heather's focus has been in the areas of:

- Stakeholder Engagement
- Due Diligence
- Managing Environmental Liability
- Regulatory Compliance
- Waste Management
- Safety Leadership
- Communications
- Managing Reputational Risk

Heather came to Acorn in 2007 with five years of experience as part of the environmental management staff of ConocoPhillips in Houston. There she was recognized and promoted for demonstrating an ability to lead diverse teams, build credibility with stakeholders and resolve complex social issues through management of a program to remediate oil sumps in residential neighborhoods. Heather is a Qualified E/H/Social Facilitator for Chevron's RiskMan2 IHAZID Process and a Qualified ESHIA Facilitator for Chevron's ESHIA Process.

Professional Experience

Environmental, Health, Safety and Social Impact Assessments

- Completed ESHIA Screening and Scoping Procedures and facilitated ESHIA Impact Assessment activities for a large Upstream Development in Kazakhstan
- Participated in ESHIA workshops for Offshore Facilities in Angola
- Participated in an IHAZID for Development of a Power Plant in Thailand
- Led E/H/Social Facilitation in an IHAZID for Development of Offshore Facilities in Venezuela and Trinidad
- Led Business Unit wide E/H/Social Facilitation for IHAZIDs covering a wide range of onshore and offshore oil and gas facilities in the MidContinent US and Alaska
- Developed a tool for an international oil and gas company to enable early identification of social, environmental, health and safety risks associated with offshore and coastal upstream development projects
- Participated in screening activities for potential environmental and social impacts for offshore facilities in Barbados

HSE Management Systems

- Received training to act as facilitator for Chevron corporate processes, including Operational Excellence Risk Management Process and Environmental, Social and Health Impact Assessment process
- Reviewed key indicators and HSE metrics of major oil companies for pilot study to evaluate oil company sustainability reporting
- Participated in project providing independent opinion of a pipeline company's compliance with their management system in support of litigation
- Managed HSE risk and liability in accordance with ConocoPhillips' Corporate HSE Management System
- Audited oil and gas facilities to determine compliance with ConocoPhillips' Corporate and Business Unit Management Systems

Stakeholder and Public Relations Management

Ms. Boyd has been recognized for her successful leadership in stakeholder engagement and public relations aspects of environmental liability management programs for oil and gas industry assets. Specific experience includes:

- Facilitated ESHIA stakeholder engagement activities for large Upstream Development in Kazakhstan
- Facilitated workshops to identify reputational concerns and develop stakeholder engagement recommendations for onshore and offshore facilities in the US, Venezuela & Trinidad
- Represented ConocoPhillips in public meetings - challenged by negative publicity and community concerns of health, nuisance, and property value resulting from development of residential neighborhoods over abandoned oil sumps
- Led meetings with local media to improve accuracy of information appearing in news articles
- Led cross-functional team of property agents, legal representation, claims specialists, public relations support, and contractors to manage the identification, assessment and remediation of former oil field liabilities
- Facilitated purchase of impacted residential properties
- Interfaced routinely with homeowners, city and county officials and company business units
- Worked with other oil companies and regulators to develop a health risk-based closure process for oil-impacted soil

Environmental Liability Assessment and Management

Ms. Boyd has been responsible for numerous programs to assess and manage liabilities for former upstream and downstream remediation concerns. Specific experience includes:

- Managed program to assess and remediate 70 abandoned oil sumps from developed properties
- Completed delineation of former oilfield liabilities on 42 residential properties
- Completed \$6MM project to excavate 50,000 cubic yards of soil from an active church, daycare and school
- Managed financial forecasting and expenditure of capital and environmental costs estimated at \$35MM
- Increased identification of potential new releases on Lower 48 remediation liabilities by 35% through training of staff and contractors
- Transferred liability on 13 remediation projects
- Facilitated recovery of over \$2MM from state reimbursement fund on retail marketing remediation sites

Due Diligence, Site Assessment, and Claims Management for Industrial Asset Transfer

Ms. Boyd has performed environmental due diligence assessments and claims for a large number of industrial assets. Specific experience includes:

- Managed environmental claims and liabilities and supported due diligence for ConocoPhillips' portfolio of 2,500 disposed properties
- Supported due diligence and divestment efforts and managed agreement obligations
- Led strategic discussions with legal, real estate, site managers and contractors
- Reported and presented results and learnings to management and business units
- Supervised staff in completion of Transaction Screenings, Phase I and Phase II Assessments
- Developed client solutions for due diligence efforts on large portfolios of sites with strict deadlines
- Conducted fieldwork, data interpretation and regulatory compliance of assessment and remediation projects at residential, commercial and industrial properties

Prior Professional Experience

Acorn International – Environmental, Health, Safety and Social Impact Assessment work on international oil industry projects, Houston, TX 2007

ConocoPhillips - Risk Management & Remediation, Corporate HSE, Tempe AZ & Houston, TX, 2003-2007

Served as HSE Asset Disposition Claims Manager, Site Manager for the Santa Maria Oil Sump Remediation Program and HSE Site Manager for the Colorado & Utah Retail Portfolio.
Performed environmental audits as part of ConocoPhillips HSE audit teams.

Goldman Environmental Consultants, Inc. - Assessment, remediation, permitting, compliance and H&S training Consultant, Braintree, MA, 1996 - 2002

Served manager of Environmental Site Assessments and conducted a variety of environmental management, assessment, compliance, and training assignments for industrial, commercial and residential developments.

Education

University of New Hampshire - Bachelor of Science - Environmental Affairs, English Minor, 1996
Coursework included sciences, resource management, resource economics, environmental policy, law and ethics.

Internship: City of Dover Planning Office, 1995.

Awards and Recognition

Earth Day Award from Utah Board of Oil, Gas & Mining for Reclamation Efforts at former well site in Grand Staircase National Monument, Escalante, UT (2005)

Special Recognition Awards, ConocoPhillips

Assistance in Claims and Guest Auditing (2004)

Completion of Sump Remediation Project (2005)

Execution of Excellence Awards & Poster Session (2006)

Audit Participation (2006)

Building Credibility in Santa Maria Public Meeting (2006)