

CAPABILITY STATEMENT

ENVIRONMENTAL MANAGEMENT



urban earth
CONSULTING



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COMPANY OVERVIEW

Urban Earth Consulting is a Western Australian based collaborative partnership between two independent environmental and bushfire risk management specialists that provide services to the resource sector and state and local government. Based in Perth, and with capability to travel statewide, Jo-Anne Blunn leads the Environmental Management services for Urban Earth Consulting which include:

- Environmental management systems
- Auditing and compliance
- Environmental approvals
- Operational support
- Emergency response management
- Environmental monitoring
- Environmental risk management

WHAT YOU CAN EXPECT

Urban Earth Consulting is committed to helping businesses and organisations operate in an environmentally responsible way. Jo-Anne is a consultant of choice because of her genuine passion and ethos to:

- Create trustworthy partnerships with her clients via transparent communications and delivering on time and on budget
- Develop innovative and practical solutions that are sustainable for the client to implement
- Support a wide range of client needs with initiative and flexibility
- Work as a strategic partner with her clients, regulatory authorities and the community to create a collaborative approach to managing environmental risks
- Provide a high standard of technical expertise, best practice guidance and practical experience
- Train and develop clients to become self-supportive

PROFESSIONAL PROFILE

Since completing a Bachelor of Science in Environmental Management Jo-Anne has been working over the past 20 years for various sectors within the environmental industry in Western Australia and the Northern Territory, including oil and gas, mining, infrastructure and state and local government.

Jo-Anne has broad experience across project management phases from exploration through to decommissioning and has specialist skills in managing a diverse array of terrestrial and marine environmental risks and impacts.

Jo-Anne has a reputation for being highly organised, efficient and hardworking and her professional ethos focuses on supporting organisations in the development of robust, practical and cost efficient systems and strategies to maintain their legal and social licence to operate.





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SERVICES

Urban Earth Consulting specialises in the following range of environmental management services:

ENVIRONMENTAL MANAGEMENT SYSTEMS

- Development and implementation of all aspects of EMS documentation including policies, management plans, procedures, processes, manuals, registers and tools
- Integration of environmental management into existing business systems
- Preparation and review of environmental tendering documentation
- Management of contractor selection and engagement processes

AUDITING & COMPLIANCE

- ISO 14001, internal systems, compliance and due diligence auditing including certification support
- Compliance monitoring of environmental commitments for complex projects
- Onshore and offshore facility inspections
- Contractor management inspecting and auditing
- Coordination and management of regulatory inspections and audits
- Regulatory annual performance and compliance reporting

ENVIRONMENTAL APPROVALS

- Knowledge of legal requirements and processes for a diverse range of environmental approvals for federal, state and local government agencies
- Identification, scheduling and coordination of environmental approvals
- Stakeholder and regulatory liaison

OPERATIONAL SUPPORT

- Identification and project management of environmental improvement programs and strategies
- Development and management of operating and capital expenditure budgets
- Development and review of business plans to incorporate environmental priorities
- Review of maintenance systems to include appropriate maintenance strategies for environmental critical equipment
- Incident investigation and root cause analysis
- Management of community enquiries and complaints
- Development and rollout of environmental induction and awareness training programs
- Development and implementation of rewards and recognition programs
- Property and land management planning
- Creation and management of spatial data in geographic information systems

EMERGENCY RESPONSE MANAGEMENT

- Coordination and testing of contractual arrangements with oil spill response and support agencies
- Coordination of emergency response drills and scenarios
- Management of training for incident management teams and emergency response teams
- Coordination of oil spill equipment maintenance
- Development and review of oil spill related plans and procedures
- Identification and implementation of oil spill response management improvement programs



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SERVICES

ENVIRONMENTAL MONITORING

- Coordination of a diverse range of environmental monitoring programs
- Soil related monitoring and management:
 - Investigation, validation, stockpile and acid sulphate soils sampling programs
 - Contaminated sites investigation and remediation
- Water related monitoring and management:
 - Marine, groundwater, surface water and flow, potable water, sewerage, jetty outfall, irrigation, sediment pond and produced water sampling programs
 - Installation of monitoring wells
- Air and noise emissions monitoring and management:
 - Volatiles, particulates/dust, radiation, climate, noise, personal and occupational air sampling programs
 - Coordination of stack emissions and ambient air testing programs
- Vegetation related monitoring and management:
 - Fuel load assessments
 - Clearing and reinstatement
 - Mangrove monitoring programs
- Fauna management:
 - Fauna handling including venomous snakes, marsupials, amphibians and birds
 - Feral animal management
- Quality assurance procedures:
 - Decontamination procedures
 - Quality assurance sampling and chain of custody procedures
 - Sample preservation procedures
- Operation, maintenance and calibration of various monitoring equipment
- Preparation and review of monitoring reports

ENVIRONMENTAL RISK MANAGEMENT

- Management of a diverse range of general environmental risks:
 - Flaring, venting, fugitive, greenhouse gas and other atmospheric emissions
 - Noise and vibration emissions
 - Lighting management
 - Hazardous and non-hazardous waste management
 - Dangerous goods and hazardous materials management
 - Oil and chemical spills
 - Socio-economic and cultural heritage management
- Management of a diverse range of terrestrial risks:
 - Land clearing, topsoil and reinstatement management
 - Blasting, borrow pit and dust management
 - Land, groundwater and surface water contamination and remediation
 - Stormwater and erosion management
 - Invasive weed species, dieback, and feral animals
 - Discharges including sewerage, stormwater and process water
- Management of a diverse range of marine specific risks:
 - Discharges including produce formation water, cooling water, brine, sewerage, grey water, putrescible waste, bilge and slops, drill cuttings and subsea control fluids
 - Invasive marine species
 - Interaction with marine fauna
 - Seabed disturbance and contamination
- Preparation and facilitation of hazard identification workshop



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KEY PROJECTS

Jo-Anne has provided high quality environmental management for a diverse range of projects and facilities, with notable achievements summarised below.

SAPURA OMV KANGA-1 EXPLORATION DRILLING CAMPAIGN	Jo-Anne responded to an urgent request for environmental support during the imminent commencement of this drilling campaign. She quickly stepped in to finalise the development, coordination and testing of oil spill response arrangements and other environmental reporting systems prior to mobilisation. Jo-Anne provided operational support during the campaign to the MODU based HSE Advisors and drilling team and maintained the environmental commitment registers to support end of campaign compliance reporting.
CONOCOPHILLIPS DARWIN LNG FACILITY	Jo-Anne initiated and led numerous improvement initiatives which significantly contributed to the facility having no new non-conformances identified by external auditors during the annual licence audit for the first time since commissioning. Improvement programs included a comprehensive review of planned maintenance programs and engineering improvements to various plant to improve wastewater discharge quality. Other initiatives included overhauling the environmental licence to a more risk based, cost effective approach. Jo-Anne's various initiatives translated to cost saving in excess of \$250K for the company.
PTTEP MONTARA OFFSHORE OIL FACILITY	Jo-Anne established robust systems for improving and confirming oil spill response arrangements following a NOPSEMA environmental improvement notice. This included oil spill equipment maintenance processes, IMT and field training, contractual arrangements with numerous response agencies, overhaul of the OPEP and development of a Kimberley region tactical oil spill response plan. This resulted in improved relations with the regulator and legal compliance and significant risk reduction for the company.
CHEVRON GORGON GAS DEVELOPMENT PROJECT	Land clearing was the highest legal and terrestrial environmental risk for this project and Jo-Anne received an award for authoring a clearing permit process that the regulator stated was the most comprehensive process they have encountered and would set a new industry benchmark. Jo-Anne also facilitated the successful reinstatement of the onshore pipeline ROW and beach-crossing site on an A Class Nature Reserve at the completion of construction. She received a second award for her dedication, professionalism and passion for improving the performance and efficiency of this project and consistently volunteering to support the broader team.
RIOTINTO RAIL CAPACITY EXPANSION PROJECT	Jo-Anne conducted a detailed revision of the Construction EMP and associated contractual documentation that formed part of the standard contract. This enabled the company to reject over \$200k worth of variations and claims from contractors during the project.
JUPITER MINES CENTRAL YILGARN IRON PROJECT	Jo-Anne initiated a detailed site inspection shortly after commencing in the role where she identified several regulatory breaches including significant over clearing, unapproved water abstraction and illegal dumping of waste by the waste contractor. Jo-Anne promptly briefed the executive team and provided a strategy to meet legal compliance that was endorsed. She executed the plan within 3 months resulting in significant risk reduction for the company and excellent relations with the regulator for being transparent and timely in addressing the issues.
TIWEST CHANDALA PROCESSING PLANT	Jo-Anne drove the groundwater contamination remediation and bund maintenance programs that resulted in a significant reduction of the contamination plumes beneath the process facility and ponds during her tenure. She contributed to the successful development of old borrow pits into wetlands for attenuating nutrient rich surface water from surrounding farmlands, helping to alleviate the eutrophication issues in the Ellenbrook and Swan rivers.
