



Kel Sanson

B.AppSc CPESC

Senior Environmental Consultant



SEECC

Strategic Environmental and Engineering Consulting

Kel is an erosion and sediment control specialist with significant on-ground construction environmental management experience as well as regulatory experience. He is a recognised industry leader in construction-phase erosion and sediment control in South-East Queensland and conducts regular training, consulting and expert witness services in this field.

Kel has worked on a wide range of sites including major road projects, CSG dams and pipeline projects, power substations, residential subdivisions and wind farms. He was also a Director of the International Erosion Control Association (IECA) in Australasia from 2013 to 2019. Kel is a Certified Professional in Erosion and Sediment Control and previously worked as a regulator for Ipswich City Council where he was responsible for erosion and sediment control compliance.

Kel is one of our Senior Environmental Consultants. He is a Certified Professional in Erosion and Sediment Control (CPESC), number 7509.

Kel has extensive experience preparing, reviewing and auditing erosion and sediment controls on worksites.

Qualifications

- Bachelor of Applied Science (Natural Systems and Wildlife Management) UQ Gatton (2000)
- Certified Professional in Erosion and Sediment Control (CPESC #7509)
- Director, International Erosion Control Association (IECA) Australasian Chapter 2013 to 2019
- Member of the International Erosion Control Association (IECA)

Awards

- Recipient of Arrow Energy 'Go Further' Staff Award for the Soil Stabiliser Trial and the business implications for Arrow.
- Recipient of Arrow Energy 'Special Recognition' Award for a personal contribution to the company-wide 'Stand Together for Safety' sessions in 2015. The presentation entitled 'The Impacts of Teenage Depression and Attempted Suicide on our Family' was delivered to approximately 600 Arrow staff.

Papers Presented

- "Erosion and Sediment Control - The Role of the Conscious Brain & Trust in Achieving Compliance." IECA National Conference, Auckland NZ, 2016.
- "Watching the Grass Grow – A Field Study of Rehabilitation in Southern Queensland". IECA National Conference, Wellington NZ, 2014.
- "Soil Stabiliser Trials & the Business Implications for a CSG-LNG Company." IECA National Conference, Gold Coast, 2013.

Areas of Expertise

- Construction site erosion and sediment control
- Construction site environmental management
- Site rehabilitation and revegetation
- Third party auditing
- Research projects and field trials
- Environmental impact assessment
- Presentation of training seminars/workshops on erosion and sediment control

Short Courses/Workshops Completed

- Arrow Intensive Leadership Development Program; QUT Executive Education Centre, 2015.
- Operate Light Vehicle (RIIVEH201D) and Operate Vehicles in the Field (PMASUP236B; Australian 4WD & Advanced Driver Education, 2014.
- Arrow Energy CSG & Coal Surface Generic Induction; Baseline Training, 2014.
- Senior First Aid; St John Ambulance, 2014.
- Arrow Frontline Management Development; Arrow Energy, 2012.
- Functioning as a WH&S Officer Core Module and Construction Elective; NSCA, 2010.
- Zero Incident Process Leadership Course – Cognitive-based Safety Training; Sentis 2009.
- Certificate IV in Training and Assessment TAA40104; Carsons Australasia, 2008.
- Fundamentals of Erosion and Sediment Control; Centre for Environmental Training, 2008.

Career Highlights

Senior Environmental Consultant, SEEC; September 2016 to present.

- Expert advice on erosion and sediment control
- Client, budgeting and project management
- Preparation and delivery of teaching programs on erosion and sediment control
- Preparation and review of ESCPs
- Auditing and compliance
- Mentoring.

Corporate Environmental Advisor – Erosion & Rehabilitation, Arrow Energy; August 2012 to November 2015

- Develop and implement strategic company-wide programs, processes and practices to address erosion and sediment control, site preparation and vegetation clearing, soil management and rehabilitation
- Develop land disturbance procedures, guidelines, checklists and forms as part of environmental management system development
- Provide advice as the recognised subject-matter expert and technical authority for all erosion and sediment control issues within Arrow
- Provide leadership, support and management for Arrow business units particularly with regard to erosion/ sediment control and rehabilitation
- Review and audit Contractors certified ESCPs and Construction Environmental Management Plans (CEMPs) for large-scale construction projects
- Review and comment on the Arrow EIS draft reports (with a strong focus on the practicality of proposed construction mitigation measures).

Erosion and Sediment Control Manager, Ipswich City Council; Jan 2016 to Sept 2016.

- Provide specialist technical advice, strategic direction, training and support for Council on erosion and sediment control
- Proactive ESC inspections and audits
- Reactive ESC inspections, investigations and provision of technical advice regarding compliance action
- Provide training and presentations to Council and major civil contractors

Senior Environmental Coordinator – Development Projects, Arrow Energy; Jan 2012 to Jul 2012.

- Coordinate field environmental support for all Arrow development projects
- Review certified ESCPs for large-scale construction projects
- Develop and review CEMPs for Arrow development projects
- Develop and review environmental procedures and standard operating procedures to support compliance with Environmental Authority (EA) requirements
- Develop and maintain construction environmental inspection checklists and corrective action registers
- Review and comment on the Bowen and LNG EIS draft reports (with a strong focus on the practicality of proposed mitigation measures)
- Develop rehabilitation plans and specifications for major dam and pipeline development projects
- Audit and inspect all development projects
- Review contractors CEMPs, procedures, records and site activities.

Environmental Projects Coordinator – Development Projects, Arrow Energy; May 2011 to Dec 2011

- Develop CEMPs for Arrow development projects
- Develop and review environmental procedures and standard operating procedures to support compliance with Environmental Authority (EA) requirements
- Develop and maintain construction environmental inspection checklists and corrective action registers
- Review and comment on the Surat and LNG EIS draft reports (with a strong focus on the practicality of proposed mitigation measures)
- Develop rehabilitation plans and specifications for major dam development projects
- Audit and inspect all development projects
- Review contractors CEMPs, procedures, records and site activities.

Environmental, Health & Safety Officer, UGL Infrastructure; June 2010 to May 2011

- Establish and maintain CEMPs, associated procedures and records on environmental management to meet client requirements and ISO 14001 specifications
- Audit relevant environmental aspects related to construction operations across Queensland
- Provide environmental training and inductions on relevant environmental issues
- Co-ordinate fire-ant / weed inspections
- Ensure sediment and erosion control measures are installed and maintained
- Review sub-contractor plans and activities
- Investigate and report on incidents and complaints
- Conduct site safety inspections
- Review SWMS for onsite activities.

Environmental Coordinator, WDS Limited (formerly Diversified Construction Corporation); Feb 2009 to Jun 2010

- Develop and implement CEMPs, associated management plans, procedures and records on environmental management
- Audit/inspect relevant environmental aspects related to pipeline construction operations
- Develop and deliver environmental education materials
- Provide environmental information for tenders
- Develop and implement corporate environmental initiatives and training

Environmental Advisor, Diversified Construction Corporation; Oct 2008 to Feb 2009

- Maintain and ensure compliance with project Environmental Authority, EMPs, associated procedures and records on environmental management
- Coordinate the pipeline fauna removal program, results and reports
- Audit all environmental aspects related to construction operations
- Provide environmental inductions and training
- Coordinate weed inspections and washdowns
- Ensure erosion and sediment control measures are installed and maintained
- Develop rehabilitation plans for sensitive areas
- Review sub-contractor EMPs, procedures, records and activities

Environmental Officer, United Group Limited; Jul 2006 to Sept 2008

- Establish and maintain EMPs, associated procedures and records on environmental management
- Audit relevant environmental aspects related to construction operations on multiple projects across Queensland
- Provide environmental training and inductions
- Coordinate weed inspections and washdowns
- Ensure erosion and sediment control measures are installed and maintained
- Review sub-contractors EMPs, procedures, records and activities
- Record, investigate and report on environmental incidents and complaints to the client and UGL management.

Technical Officer, Department of Primary Industries and Fisheries; Oct 2004 to June 2006

Biopesticide development for sheep ectoparasites

Field Officer, Australian Plague Locust Commission (Department of Agriculture, Fisheries & Forestry); Sept 2000 to Sept 2004

- Conduct remote area ground surveys to assess locust population densities and environmental conditions
- Manage locust control campaigns (including staff and logistical management)
- Liaise and consult with landholders regarding locust and land management activities
- Conduct vertebrate and invertebrate surveys as part of the environmental management program
- Conduct aerial survey and control operations during locust infestations
- Assist in the operation and maintenance of a field base and associated equipment.

Recent Projects

- Erosion and sediment control training and on site support, mentoring and advice for Granville Harbour Windfarm.
- Erosion and sediment control training for BMA, Moranbah.
- Erosion and sediment control training for Gold Coast City Council.
- Erosion and sediment control auditing and advice for the Newell Highway upgrade for Fulton Hogan.
- Erosion and sediment control plans, inspections and technical advice for Gateway Upgrade North for Lendlease.
- Independent RMS-appointed soil conservationist conducting 3rd Party ESC audits and providing advice for the Pacific Complete Woolgoolga to Ballina (NSW) Pacific Highway upgrade project (Jan 2017 to present).
- Erosion and sediment control plans for New Parallel Runway – Dryandra Road Works for McConnell Dowell.
- Rehabilitation/stabilisation Plan and technical advice for BMD in Ipswich (QLD)
- Concept erosion and sediment control design and management plans for the New Parallel Runway Brisbane Airport for tender (QLD).
- Erosion and sediment control inspections, soil conservationist services and expert ESC advice for the new Grafton Bridge and Grafton Flood Levy upgrade works (NSW).
- Environmental Management Plan/ ESCP development and site audits for Cherwell Bridge upgrade works near Moranbah for VEC (QLD).
- Assistance with compliance inspections and ongoing investigations for Ipswich City Council.
- Beaudesert Town Centre Bypass CPESC compliance inspections for SEE Civil.
- Erosion and sediment control inspections and report for Yebna Quarry (NT).
- Expert advice and training regarding erosion and sediment control for Ipswich City Council (QLD).
- Erosion and sediment control one day training courses for Brisbane City Council, Vital Environment, FKG and Arrow Energy (QLD).
- ESC inspections and rehabilitation plans for Santos GLNG at Fairview (QLD).
- Site assessments and reports for well leases in the Cooper Basin for Santos (QLD).
- Input to erosion and sediment control plans for Wynnum Road corridor upgrade, Brisbane.
- Erosion and sediment control plans and expert CPESC advice and auditing, Kingsford Smith Drive, Brisbane (for Lendlease).
- Progress Road, Wacol ESCPs and expert ESC services for road upgrade.
- ESCP preparation for Mount Isa Mine expansion.
- Preparation of ESCPs for Warrego Highway, Minden.
- Preparation of staged ESCPs for in-stream works in Sandra Nolan Reserve, Ipswich.

Contact Details

- PO Box 1098, Bowral NSW 2576
- ksanson@seec.com.au
- www.seec.com.au
- Tel. 02 4862 1633
- Fax. 02 4862 3088
- Mob. 0424 959 372